

Gene Symbol	Protein Name	SwissProt	Target	Cat#	Source	Ab Class	Ab Type	IR Response (0-3)	IR Response type	# non-specific Bands	# IR Modulating Bands	# Blots	# LCL	PBMC
ACTA1	Actin	P68133	Actin	sc-10731	SCB	pan	Rabbit poly	0	nd	6	0	2	2	n
ADAM9	ADAM9	Q13443	ADAM9	ab11531	Abcam	pan	Rabbit poly	0	nd	>10	0	1	1	n
AHCY	AHCY	P23526	AHCY	H00000191-M09	Abnova	pan	Mouse mAb	0	nd	1	0	2	1	n
AKT1	AKT1	P31749	AKT1 (pT308)	9275	CST	PMT-phospho	Rabbit poly	nd	nd	0	0	2	2	n
AKT1	AKT1	P31749	AKT1 (pS473)	9271	CST	PMT-phospho	Rabbit poly	1	up	1	0	2	2	n
AKT1	AKT1	P31749	AKT1 (pan)	1086-1	Epitomics	pan	Rabbit mAb	0	nd	1	0	2	2	n
AKT1	AKT1	P31749	AKT1 (pan)	9272	CST	pan	Rabbit poly	0	nd	0	0	2	2	n
AKT1	AKT1	P31749	AKT1 (pS473)	600-401-268	Rockland	PMT-phospho	Rabbit poly	0	nd	>10	0	3	1	n
ANAPC1	APC1	Q9H1A4	APC1	600-401-877	Rockland	PMT-phospho	Rabbit poly	0	nd	>10	2	1	1	n
ANKRD26	ANKRD26	Q9UPS8	ANKRD26	600-401-917	Rockland	pan	Rabbit poly	0	nd	1	0	2	2	n
APTX	Aprataxin-A	Q7Z2E3	APTX [Aprataxin-A]	600-101-294	Rockland	pan	Goat poly	0	nd	6	0	2	2	n
AQP3	Aquaporin 3	Q92482	AQP3 [Aquaporin 3]	AB3276	Chemicon	pan	Rabbit poly	0	nd	6	0	1	1	n
ARHGDI1	ARHGDI1	P52565	ARHGDI1 [GDIA1]	H00000396-M02	Abnova	pan	Mouse mAb	0	nd	6	0	1	1	n
ATF2	ATF2	P15336	ATF2 (pT71)	1268-1	Epitomics	PMT-phospho	Rabbit mAb	1	up	1	1	4	4	n
ATM	ATM	Q13315	ATM (pS1981)	ab2888	abcam	PMT-phospho	Rabbit poly	nd	nd	1	0	1	1	n
ATM	ATM	Q13315	ATM (pS1981)	600-401-400	Rockland	PMT-phospho	Rabbit poly	3	up	>10	2	5	5	y
ATM	ATM	Q13315	ATM (pS1981)	05-740	Upstate	PMT-phospho	Mouse mAb	3	up	>10	2	4	4	n
ATM	ATM	Q13315	ATM (pS1981)	4526	CST	PMT-phospho	Mouse mAb	2	up	>10	2	4	4	n
ATM	ATM	Q13315	ATM	1549-1	Epitomics	pan	Rabbit mAb	0	nd	1	1	3	2	y
ATM	ATM	Q13315	ATM	05-513	Upstate	pan	Mouse poly	0	nd	>10	0	2	3	n
ATM	ATM	Q13315	ATM	NB100-104	Novus	pan	Rabbit poly	0	nd	0	0	2	3	n
ATM	ATM	Q13315	ATM	ab78	Abcam	pan	Mouse mAb	0	nd	5	0	2	2	n
ATM	ATM	Q13315	ATM	ab91	Abcam	pan	Rabbit poly	0	nd	3	0	1	1	n
ATM	ATM	Q13315	ATM	MAT3	Shiloh Lab	pan	Mouse mAb	0	nd	4	0	1	1	y
BACH1	BACH1 [FANCJ]	Q9BX63	BACH1 [FANCJ]	600-401-458	Rockland	pan	Rabbit poly	0	nd	>10	0	3	2	n
BAD	BAD	Q92934	BAD (N-term)	1541-1	Epitomics	pan	Rabbit mAb	0	nd	1	0	1	1	n
BAG1	BAG1	Q99933	BAG1	1526-1	Epitomics	pan	Rabbit mAb	0	nd	1	0	1	1	n
BAK1	BAK1	Q16611	BAK1	1542-1	Epitomics	pan	Rabbit mAb	0	nd	0	0	2	2	n
BAX	BAX	Q07814	BAX	1063-1	Epitomics	pan	Rabbit mAb	0	nd	1	0	3	3	n
BCL2	BCL2	P10415	BCL2	1017-1	Epitomics	pan	Rabbit mAb	0	nd	2	0	2	2	n
BCL2L1	BCLX	Q07817	BCLX	1018-1	Epitomics	pan	Rabbit mAb	0	nd	0	0	1	1	n
BCL2L11	BIM	Q43521	BIM	1036-1	Epitomics	pan	Rabbit mAb	1	down	3	1	2	1	n
BID	BID	P55957	BID	1008-1	Epitomics	pan	Rabbit mAb	0	nd	0	0	2	1	n
BRCA1	BRCA1	P38398	BRCA1	H00000672-A01	Abnova	pan	Mouse poly	nd	nd	>10	0	2	1	n
BRCA1	BRCA1	P38398	BRCA1	9010	CST	pan	Rabbit poly	3	Mobility Shift?	3	1	15	4	y
BRCA1	BRCA1	P38398	BRCA1 (pS1524)	9009	CST	PMT-phospho	Rabbit poly	2	up	5	1	2	2	y
BRCA1	BRCA1	P38398	BRCA1	05-842	Upstate	pan	Rabbit mAb	0.5	Mobility Shift	1	1	2	2	n
BRCA1	BRCA1	P38398	BRCA1 (pS1497)	07-007	Upstate	PMT-phospho	Rabbit poly	0.5	Mobility Shift	2	1	2	2	n
BRCA1	BRCA1	P38398	BRCA1 (pS1423)	07-635	Upstate	PMT-phospho	Rabbit poly	0	nd	2	0	2	2	n
BRCA2	BRCA2	P51587	BRCA2	05-666	Upstate	pan	Mouse mAb	0.5	Mobility Shift	1	2	1	1	n
BRCA2	BRCA2	P51587	BRCA2	9012	CST	pan	Rabbit poly	0	nd	3	0	1	1	y
BUB1	BUB1	Q43683	BUB1	MAB3610	Chemicon	pan	Mouse mAb	0	nd	0	0	3	2	n
CASP10	CASP10	Q92851	CASP10 (p23/17)	1035-1	Epitomics	active/cleaved	Rabbit mAb	0	nd	8	0	1	1	n
CASP2	CASP2	P42575	CASP2 (N-term)	1060-1	Epitomics	pro / active	Rabbit mAb	0	nd	5	0	1	1	n
CASP3	CASP3	P42574	CASP3 (p17)	1476-1	Epitomics	active/cleaved	Rabbit mAb	0	nd	7	0	3	2	n
CASP3	CASP3	P42574	CASP3 (cleaved Asp175)	9661	CST	active/cleaved	Rabbit poly	0	nd	5	0	3	2	n
CASP3	CASP3	P42574	CASP3 (pro)	1061-1	Epitomics	pro	Rabbit mAb	0	nd	0	0	1	1	n

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CASP3	CASP3	P42574	CASP3 (pro, active)	9662	CST	pro / active	Rabbit poly	0	nd	0	0	1	1	n
CASP6	CASP6	P55212	CASP6 (C-term)	1180-1	Epitomics	pro / active	Rabbit mAb	0	nd	0	0	1	1	n
CASP7	CASP7	P55210	CASP7 (p20)	9491	CST	active/cleaved	Rabbit poly	1	up	2	4	2	2	n
CASP7	CASP7	P55210	CASP7 (pro)	1033-1	Epitomics	pro	Rabbit mAb	1	up/dn	0	1	1	1	n
CASP7	CASP7	P55210	CASP7 (pro, p20)	9492	CST	pan	Rabbit poly	0	nd	>10	0	1	1	n
CASP7	CASP7	P55210	CASP7 (pro)	1032-1	Epitomics	pro	Rabbit mAb	0	nd	0	0	1	1	n
CASP8	CASP8	Q14790	CASP8 (N-term)	1006-1	Epitomics	pan	Rabbit mAb	0	nd	0	0	1	1	n
CASP8	CASP8	Q14790	CASP8 (pro, p18)	1007-1	Epitomics	pro / active	Rabbit mAb	0	nd	>10	0	1	1	n
CASP9	CASP9	P55211	CASP9 (cleaved Asp330)	9501	CST	active/cleaved	Rabbit poly	nd	nd	1	0	1	1	n
CASP9	CASP9	P55211	CASP9 (Pro)	1084-1	Epitomics	pro	Rabbit mAb	nd	nd	2	0	1	1	n
CASP9	CASP9	P55211	CASP9 (pro/p35)	1023-1	Epitomics	pro / active	Rabbit mAb	nd	nd	6	0	3	2	n
CASP9	CASP9	P55211	CASP9	9502	CST	pan	Rabbit poly	0	nd	2	0	1	1	n
CBL	Cbl	P22681	Cbl (C-term)	1486-1	Epitomics	pan	Rabbit mAb	0	nd	0	0	2	2	n
CBL	Cbl	P22681	Cbl (pY774)	1160-1	Epitomics	PMT-phospho	Rabbit mAb	0	nd	0	0	2	2	n
CCNA2	CCNA2	P20248	CCNA2	H00000890-A01	Abnova	pan	Mouse poly	0	nd	4	0	5	1	n
CCNB1	CCNB1 [Cyclin B1]	P14635	CCNB1 [Cyclin B1]	600-401-464	Rockland	PMT-phospho	Rabbit poly	nd	nd	6	0	1	1	n
CCNB1	CCNB1 [Cyclin B1]	P14635	CCNB1 [Cyclin B1]	1495-1	Epitomics	pan	Rabbit mAb	1	down	0	1	4	3	n
CCND1	CCND1 [Cyclin D1]	P24385	CCND1 [Cyclin D1]	2926	CST	pan	Mouse mAb	0.5	up/dn?	8	1	2	1	n
CCND3	CCND3 [cyclin D3]	P30281	CCND3 [cyclin D3]	2936	CST	pan	Mouse mAb	1	up	0	1	2	2	n
CCNE2	CCNE2 [Cyclin E2]	O96020	CCNE2 [Cyclin E2]	1142-1	Epitomics	pan	Rabbit mAb	1	up	8	1	3	3	n
CCR2	CCR2 [CKR2]	P41597	CCR2 [CKR2]	2069-1	Epitomics	pan	Rabbit mAb	0	nd	0	0	1	1	n
CDC2	CDC2	P06493	CDC2	1053-1	Epitomics	pan	Rabbit mAb	2	dn	1	1	2	2	n
CDC2	CDC2	P06493	CDC2 (pY15)	9111	CST	PMT-phospho	Rabbit poly	2	dn	6	2	1	1	n
CDC2	CDC2	P06493	CDC2 (pY15)	1161-1	Epitomics	Not-Phospho	Rabbit mAb	0	nd	0	0	1	1	n
CDC25C	CDC25C	P30307	CDC25C (pS216)	1190-1	Epitomics	PMT-phospho	Rabbit mAb	1	up	0	1	1	1	n
CDC27	CDC27 (pT244)	P30260	CDC27 (pT244)	600-401-885	Rockland	PMT-phospho	Rabbit poly	0.5	up	2	1	1	1	n
CDC42	CDC42	P60953	CDC42	2466	CST	pan	Rabbit mAb	0.5	dn	0	1	1	1	n
CDK4	CDK4	P11802	CDK4	2906	CST	pan	Mouse mAb	0	nd	0	0	1	1	n
CDK6	CDK6	Q00534	CDK6	3136	CST	pan	Mouse mAb	0.5	up	0	1	2	2	n
CDKN1A	p21 /Waf1/Cip1	P38936	p21 [CDKN1A/Waf1/Cip1]	2946	CST	pan	Mouse mAb	1	up	1	1	8	3	y
CDKN1B	p27	P46527	p27	2552	CST	pan	Rabbit poly	0	nd	1	0	1	1	n
CDKN2A	p16 INK4A	P42771	p16 [INK4B]	4824	CST	pan	Rabbit poly	0	nd	1	0	1	1	n
CDKN2B	p15 INK4B	P42772	p15 [INK4A]	4822	CST	pan	Rabbit poly	nd	nd	0	0	1	1	n
CHEK1	CHK1	O14757	CHK1 (pS345)	2341	CST	PMT-phospho	Rabbit poly	nd	nd	2	1	1	1	n
CHEK1	CHK1	O14757	CHK1	2345	CST	pan	Rabbit poly	2	dn	1	2	6	4	y
CHEK1	CHK1	O14757	CHK1	sc-8408	SCB	pan	Mouse mAb	2	dn	5	1	1	1	n
CHEK1	CHK1	O14757	CHK1 (pS296)	2346	CST	PMT-phospho	Rabbit poly	2	up/dn	3	2	1	1	n
CHEK1	CHK1	O14757	CHK1 (pS317)	2344	CST	PMT-phospho	Rabbit poly	2	up/dn	3	2	12	3	y
CHEK1	CHK1	O14757	CHK1	1250-1	Epitomics	pan	Rabbit mAb	1	dn	0	1	1	1	n
CHEK1	CHK1	O14757	CHK1	AB3539	Chemicon	pan	Sheep poly	0	nd	>10	0	1	1	n
CHEK1	CHK1	O14757	CHK1 (pS345)	2348	CST	PMT-phospho	Rabbit mAb	0	nd	>10	0	1	1	n
CHEK2	CHK2	O96017	CHK2	ab477	Abcam	pan	Rabbit poly	nd	nd	>10	0	1	1	n
CHEK2	CHK2	O96017	CHK2 (pT432)	2667	CST	PMT-phospho	Rabbit poly	nd	nd	3	0	1	1	n
CHEK2	CHK2	O96017	CHK2 (pT68) 80F5	2584	CST	PMT-phospho	Rabbit mAb	nd	nd	4	0	1	1	n
CHEK2	CHK2	O96017	CHK2, (not phospho T68)	1126-1	Epitomics	Not-Phospho	Rabbit mAb	3	dn/up	0	1	2	2	n
CHEK2	CHK2	O96017	CHK2 (pT68)	2661	CST	PMT-phospho	Rabbit poly	3	up/dn	1	4	4	2	y
CHEK2	CHK2	O96017	CHK2 (pT68)	1538-1	Epitomics	PMT-phospho	Rabbit mAb	3	up	1	1	2	2	n

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CHEK2	CHK2	O96017	CHK2 (pT68)	600-401-280	Rockland	PMT-phospho	Rabbit poly	3	up	8	5	1	1	n
CHEK2	CHK2	O96017	CHK2	ab3292	Abcam	pan	Mouse mAb	2	shift	5	1	1	1	n
CHEK2	CHK2	O96017	CHK2 (pS19)	2666	CST	PMT-phospho	Rabbit poly	2	up/dn	8	1	2	2	n
CHEK2	CHK2	O96017	CHK2 (pS33/35)	2665	CST	PMT-phospho	Rabbit poly	2	up/dn	5	1	2	2	n
CHEK2	CHK2	O96017	CHK2 (pT387)	2668	CST	PMT-phospho	Rabbit poly	1	up/dn	5	1	1	1	n
CHEK2	CHK2	O96017	CHK2	2662	CST	pan	Rabbit poly	0	nd	>10	0	6	3	n
CREB1	CREB	P16220	CREB (pS133)	600-401-270	Rockland	PMT-phospho	Rabbit poly	2	up/dn	3	2	1	1	n
CREB1	CREB	P16220	CREB	1496-1	Epitomics	pan	Rabbit mAb	1	up/dn	1	1	3	3	n
CREB1	CREB	P16220	CREB (pS133)	1113-1	Epitomics	PMT-phospho	Rabbit mAb	1	up/dn	1	1	3	3	n
DAP	DAP	P51397	DAP (C-term)	1059-1	Epitomics	pan	Rabbit mAb	0.5	up?	0	1	1	1	n
DAXX	DAXX	Q9UER7	DAXX	1094-1	Epitomics	pan	Rabbit mAb	0	nd	0	0	1	1	n
DCLRE1C	Artemis	Q96SD1	Artemis	600-101-293	Rockland	pan	Goat poly	0	nd	>10	0	3	2	n
DDB1	DDB1	Q16531	DDB1	ab-13562	Abcam	pan	Mouse mAb	0.5	up	4	1	3	3	n
DDEF1	ASAP1	Q9ULH1	ASAP1	600-401-911	Rockland	pan	Rabbit poly	nd	nd	6	0	3	2	n
DDEF1	ASAP1	Q9ULH1	ASAP1 (pY782)	600-401-910	Rockland	PMT-phospho	Rabbit poly	nd	nd	6	0	3	1	n
ECT2	ECT2	Q9H8V3	ECT2 (pT790)	600-401-935	Rockland	PMT-phospho	Rabbit poly	nd	nd	5	1	1	1	n
EEF2K	eEF2k	O00418	eEF2k	3692	CST	pan	Rabbit poly	2	down	0	1	3	2	n
EGFR	EGFR	P00533	EGF Receptor (pY1068)	1138-1	Epitomics	PMT-phospho	Rabbit mAb	nd	nd	7	0	2	2	n
EGFR	EGFR	P00533	EGF Receptor(pY1086)	1139-1	Epitomics	PMT-phospho	Rabbit mAb	nd	nd	3	0	1	1	y
EGFR	EGFR	P00533	EGF Receptor(pY1197)	600-401-928	Rockland	PMT-phospho	Rabbit poly	1	dn	2	1	1	1	n
EIF2AK2	PKR	P19525	PKR (pT446)	1120-1	Epitomics	PMT-phospho	Rabbit mAb	0	nd	0	0	1	1	n
EIF2S1	eIF2a	P05198	eIF2a (pS51)	3597	CST	PMT-phospho	Rabbit mAb	2	down	2	2	2	2	n
EIF2S1	eIF2a	P05198	eIF2a (pS51)	1090-1	Epitomics	PMT-phospho	Rabbit mAb	0	nd	0	1	2	2	n
EIF4B	eIF4B	P23588	eIF4B	3592	CST	pan	Rabbit poly	0.5	down	1	2	2	2	n
ELF1	ELF1	P32519	ELF1	H00001997-M01	Abnova	pan	Mouse mAb	nd	down	5	2	2	2	n
ENO1	ENO1	P06733	ENO1	H00002023-M01	Abnova	pan	Mouse mAb	1	up	>10	1	1	1	n
ENO2	ENO2	P09104	ENO2	H00002026-M01	Abnova	pan	Mouse mAb	1	down	2	1	1	1	n
ERBB2	ErbB2/HER2	P04626	ErbB2/HER2 (C-term)	1148-1	Epitomics	pan	Rabbit mAb	0	nd	5	0	2	1	n
ESR1	ER-alpha	P03372	ER alpha (pS104/S106)	1115-1	Epitomics	PMT-phospho	Rabbit mAb	nd	nd	0	0	1	1	n
ESR1	ER-alpha	P03372	ER alpha (pS118)	1091-1	Epitomics	PMT-phospho	Rabbit mAb	0.5	up	1	1	1	1	n
FANCD2	FANCD2	Q9BXW9	FANCD2 (pS222)	4945	CST	PMT-phospho	Rabbit poly	nd	nd	0	0	1	1	n
FANCD2	FANCD2	Q9BXW9	FANCD2	sc-20022	SCB	pan	Mouse mAb	1	shift	0	1	4	4	n
FANCD2	FANCD2	Q9BXW9	FANCD2	NB 100-316	Novus	pan	Mouse mAb	1	shift	0	1	1	1	n
FANCD2	FANCD2	Q9BXW9	FANCD2 (pS222)	618002	BioLegend	PMT-phospho	Rabbit poly	0	nd	0	0	3	4	n
FAS	FAS	P25445	FAS	H0000355-A01	Abnova	pan	Mouse poly	nd	nd	>10	0	4	1	n
FMR1	FMRP	Q06787	FMRP	MAB2160	Chemicon	pan	Mouse mAb	0	nd	1	0	1	1	n
FRAP1	mTOR [FRAP1]	P42345	mTOR [FRAP1] (pS2448)	600-401-422	Rockland	PMT-phospho	Rabbit poly	1	dn	1	1	1	1	n
GAB1	Gab1	Q13480	Gab1 (pY627)	1128-1	Epitomics	PMT-phospho	Rabbit mAb	0	nd	1	1	1	1	n
GADD45A	GADD45A	P24522	GADD45A	H00001647-M01	Abnova	pan	Mouse mAb	nd	nd	5	0	5	1	n
GADD45A	GADD45A	P24522	GADD45A	AB3863	Chemicon	pan	Rabbit poly	0	nd	>10	0	1	1	n
GALNT7	GALNT7	Q86SF2	GALNT7	H00051809-A01	Abnova	pan	Mouse poly	0	nd	6	0	2	1	n
GSK3A	GSK-3alpha	P49840	GSK-3alpha (pS21)	600-401-429	Rockland	PMT-phospho	Rabbit poly	2	up	2	1	2	1	n
GSK3A	GSK-3beta	P49840	GSK-3beta (pS9)	9336	CST	PMT-phospho	Rabbit poly	0	nd	0	0	1	1	n
GSS	GSS	P48637	GSS	H00002937-M02	Abnova	pan	Mouse mAb	0	nd	2	0	3	1	n
H2AFX	H2AX	P16104	H2AX (p-S139)	9718	CST	PMT-phospho	Rabbit mAb	3	up	4	3	1	1	y
H2AFX	H2AX	P16104	H2AX (p-S139)	05-636	Upstate	PMT-phospho	Mouse mAb	2	up	1	2	2	2	n
H2AFX	H2AX	P16104	H2AX	sc-10807	SCB	pan	Rabbit poly	0.5	up	>10	1	1	1	n

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H2AFX	H2AX	P16104	H2AX	2595	CST	pan	Rabbit poly	0	nd	6	0	1	1	y
HDAC1	HDAC1	Q13547	HDAC1	2062	CST	pan	Rabbit poly	0	nd	1	0	1	1	n
HDAC3	HDAC3	Q15379	HDAC3	2632	CST	pan	Rabbit poly	0	nd	1	0	1	1	n
HDAC4	HDAC4	P56524	HDAC4	2072	CST	pan	Rabbit poly	nd	nd	0	0	1	1	n
HDAC5	HDAC5	Q9UQL6	HDAC5	2082	CST	pan	Rabbit poly	0	nd	4	0	1	1	n
HDAC6	HDAC6	Q9UBN7	HDAC6	2162	CST	pan	Rabbit poly	0	nd	5	0	1	1	n
HDAC7A	HDAC7	Q8WUI4	HDAC7	2882	CST	pan	Rabbit poly	nd	nd	0	0	1	1	n
HGS	HGS	Q14964	HGS	H00009146-M01	Abnova	pan	Mouse mAb	0.5	dn	1	1	1	1	n
HIST1H2BA	H2B	Q96A08	H2B (Acyl-K12)	2575	CST	PMT-acyl	Rabbit poly	nd	nd	>10	0	1	1	n
HIST1H2BA	H2B	Q96A08	H2B (pS9)	2722	CST	PMT-phospho	Rabbit poly	nd	nd	>10	0	1	1	n
HIST2H2AC	H2A	Q16777	H2A (Acyl-K5)	2576	CST	PMT-acyl	Rabbit poly	nd	nd	>10	0	1	1	n
HIST2H2AC	H2A	Q16777	H2A (pS9)	2572	CST	PMT-phospho	Rabbit poly	nd	nd	>10	0	1	1	n
HIST3H3	H3	Q16695	H3 (Acyl-K9)	9671	CST	PMT-acyl	Rabbit poly	nd	nd	?	0	1	1	n
HIST3H3	H3	Q16695	H3 (pS28)	1329-1	Epitomics	PMT-phospho	Rabbit mAb	nd	nd	>10	0	1	1	n
HIST3H3	H3	Q16695	H3 (pS9)	9715	CST	PMT-phospho	Rabbit poly	nd	nd	0	0	1	1	n
HIST3H3	H3	Q16695	H3 (pS10)	1173-1	Epitomics	PMT-phospho	Rabbit mAb	2	dn/up	4	2	1	1	n
HIST4H4	H4	P62805	H4 (pS9)	2592	CST	PMT-phospho	Rabbit poly	0.5	up	5	2	1	1	n
HIST4H4	H4	P62805	H4 (Acyl-K8)	2594	CST	PMT-acyl	Rabbit poly	0	nd	0	0	1	1	n
HMGB2	HMGB2	P26583	HMGB2	H00003148-M02	Abnova	pan	Mouse mAb	0	nd	5	0	3	1	n
HMGN1	HMGN1	P05114	HMGN (pS20/S24)	600-401-898	Rockland	PMT-phospho	Rabbit poly	0	dn	9	4	1	1	n
HNRNPA2B1	HnRNP A2/B1	P22626	HnRNP A2/B1	9304	CST	pan	Mouse mAb	0	nd	>10	0	1	1	n
HSPB1	HSP27	P04792	HSP27 (Ser78)	2405	CST	PMT-phospho	Rabbit poly	2	dn	8	1	1	1	n
HSPB1	HSP27	P04792	HSP27 (pS78)	1543-1	Epitomics	PMT-phospho	Rabbit mAb	2	dn	4	3	2	1	n
HSPB1	HSP27	P04792	HSP27 (pS82)	2401	CST	PMT-phospho	Rabbit poly	1	dn	8	0	1	1	n
HSPB1	HSP27	P04792	HSP27 (pS82)	1118-1	Epitomics	PMT-phospho	Rabbit mAb	0.5	nd	0	0	2	1	n
HTRA2	HTRA2	Q43464	HTRA2	1056-1	Epitomics	pan	Rabbit mAb	0	nd	1	0	1	1	n
HTT	Huntington disease protein	P42858	HD (pS421)	600-401-433	Rockland	PMT-phospho	Rabbit poly	0.5	up	6	3	1	1	n
IRAK4	IRAK4	Q9NWZ3	IRAK4	4363	CST	pan	Rabbit poly	1	dn	5	1	1	1	n
JUN	c-Jun	P05412	c-Jun (pS63)	2361	CST	PMT-phospho	Rabbit mAb	2	up	2	1	1	1	n
JUN	c-Jun	P05412	c-Jun (pS73)	1107-1	Epitomics	PMT-phospho	Rabbit mAb	0	nd	0	0	1	1	n
KIF11	KIF11	P52732	KIF11	H00003832-A01	Abnova	pan	Mouse poly	0	nd	3	0	2	1	n
LFNG	LFNG	Q8NES3	LFNG	H00003955-M01	Abnova	pan	Mouse mAb	0	nd	>10	0	2	1	n
LYN	LYN	P07948	LYN (pY507)	2731	CST	PMT-phospho	Rabbit poly	2	dn	1	1	1	1	n
MAP1B	MAP1B [MAP5]	P15205	MAP1B [MAP5]	MAB366	Chemicon	pan	Mouse mAb	0	nd	5	0	2	1	n
MAP2K1	MEK1/2	Q02750	MEK1/2 (pS221)	2388	CST	PMT-phospho	Rabbit mAb	1	up	2	1	1	1	n
MAP3K5	ASK1	Q99683	ASK1	3762	CST	pan	Rabbit poly	nd	nd	2	0	1	1	n
MAP3K5	ASK1	Q99683	ASK1 (pS83)	200-401-410	Rockland	PMT-phospho	Rabbit poly	nd	nd	4	0	3	2	n
MAPK1	Erk2	P28482	Erk2 (pT184/pY186) [p38]	1481-1	Epitomics	PMT-phospho	Rabbit mAb	1	up	0	1	1	1	n
MAPK1	Erk2	P28482	Erk2 (pT180/pY182) [p38]	4631	CST	PMT-phospho	Rabbit mAb	0	nd	>10	0	1	1	n
MAPK3	p44/42 MAPK	P27361	p44/42 MAPK (pT202/Y204)	4376	CST	PMT-phospho	Rabbit mAb	2	dn	0	1	1	1	n
MAPK6	MAPK6	Q16659	MAPK6	H00005597-M01	Abnova	pan	Mouse mAb	0	nd	6	0	1	1	n
MAPK8	SAPK/JNK	P45983	SAPK/JNK (pT183/Y185)	4671	CST	PMT-phospho	Rabbit mAb	0	nd	>10	0	2	1	n
MDM2	MDM2	Q00987	MDM2 (pS166)	3521	CST	PMT-phospho	Rabbit poly	0.5	nd	5	2	4	2	n
MDM2	MDM2	Q00987	MDM2 (pan)	ab-10344	Abcam	pan	Mouse mAb	0	nd	4	0	2	2	n
MLF1	Myeloid leukemia factor 1	P58340	MLF1 (pT78)	600-401-930	Rockland	PMT-phospho	Rabbit poly	0	nd	2	0	1	1	n
motif	motif	motif	ATM/ATR phospho motif	2851	CST	motif	Rabbit poly	3	multiple	8	5	2	1	y
motif	motif	motif	CDK phospho motif	2324	CST	motif	Rabbit poly	2	multiple	>10	3	2	1	y

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motif	motif	motif	PKC phospho motif	2261	CST	motif	Rabbit poly	2	multiple	>10	4	2	1	y
motif	motif	motif	AKT1 phospho motif	9614	CST	motif	Rabbit mAb	2	up	>10	5	1	1	n
motif	motif	motif	AKT1 phospho motif	9611	CST	motif	Rabbit poly	1	up/dn	?	2	1	1	n
motif	motif	motif	MAPK/CDK phospho motif	2321	CST	motif	Mouse mAb	1	multiple	>10	2	2	1	y
motif	motif	motif	PKA phospho motif (100G7)	9624	CST	motif	Rabbit mAb	1	multiple	>10	2	2	1	y
MYC	c-Myc	P01106	c-Myc (p58/S62)	1203-1	Epitomics	PMT-phospho	Rabbit mAb	1	up	2	2	1	1	n
MYL9	RLC	P24844	RLC (pS19/pS20)	600-401-416	Rockland	PMT-phospho	Rabbit poly	0	nd	5	0	1	1	n
NBN	NBS1	O60934	NBS1 (pS343)	3001	CST	PMT-phospho	Rabbit poly	3	up/dn	5	2	7	4	n
NBN	NBS1	O60934	NBS1	3002	CST	pan	Rabbit poly	1	shift	2	1	3	3	n
NFKBIA	IkappaB-alpha	P25963	IkappaB-alpha	1130-1	Epitomics	pan	Rabbit mAb	0.5	dn	0	1	1	1	n
NPM1	NPM	P06748	NPM	3542	CST	pan	Rabbit poly	0	nd	1	0	1	1	n
PARP1	PARP	P09874	PARP (cleaved Asp214)	9541	CST	active/cleaved	Rabbit poly	2	up	2	1	2	2	n
PARP1	PARP	P09874	PARP (Cleaved p25)	1051-1	Epitomics	active/cleaved	Rabbit mAb	1	up	1	1	2	2	n
PARP1	PARP	P09874	PARP	9542	CST	pan	Rabbit poly	1	cleavage	2	1	1	1	n
PCNA	PCNA	P12004	PCNA (PC10)	2586	CST	pan	Mouse mAb	0	nd	>10	0	3	2	n
PCNA	PCNA	P12004	PCNA (PC10)	05-347	Upstate	pan	Mouse mAb	0	nd	>10	0	2	1	n
PDCC4	PDCC4	Q53EL6	PDCC4 (pS457)	600-401-964	Rockland	PMT-phospho	Rabbit poly	0	nd	3	0	1	1	n
PDPK1	PDK1	O15530	PDK1 (pS241)	3061	CST	PMT-phospho	Rabbit poly	0	nd	1	0	1	1	n
PHLDA3	PHLDA3	Q9Y5J5	PHLDA3	NB 100-1342	Novus	pan	Goat poly	1	up	>10	1	7	4	n
PLK1	PLK1	P53350	PLK1	H00005347-M01	Abnova	pan	Mouse mAb	1	dn	0	1	7	3	n
PNKP	PNK	Q96T60	PNK	600-401-480	Rockland	pan	Rabbit poly	0	nd	>10	0	3	3	n
PPM1D	PPM1D [Wip1]	O15297	PPM1D (Wip1)	NB 100-2110	Novus	pan	Rabbit poly	1	up	>10	1	1	1	n
PPP2CA	PP2A	P67775	PP2A (pY307)	1155-1	Epitomics	PMT-phospho	Rabbit mAb	0	nd	2	0	2	1	n
PRKAR2A	PKA RII	P13861	PKA RII (C-term)	1528-1	Epitomics	pan	Rabbit mAb	0	nd	0	0	1	1	n
PRKAR2A	PKA RII	P13861	PKA RII (pS96)	1151-1	Epitomics	PMT-phospho	Rabbit mAb	0	nd	1	0	1	1	n
PRKCA	PKCalpha/betall	P17252	PKCalpha/betall (pT638/641)	9375	CST	PMT-phospho	Rabbit poly	0	nd	0	0	2	2	n
PRKCB1	PKC	P05771	PKC (pan) (bII S660)	9371	CST	pan	Rabbit poly	0	nd	0	1	3	2	n
PRKCD	PKCdelta	Q05655	PKCdelta (pS643)	9376	CST	PMT-phospho	Rabbit poly	0	nd	0	0	2	2	n
PRKCD	PKCdelta	Q05655	PKCdelta (pT505)	9374	CST	PMT-phospho	Rabbit poly	0	nd	0	0	2	2	n
PRKCQ	PKCtheta	Q04759	PKCtheta (pT538)	9377	CST	PMT-phospho	Rabbit poly	0	nd	0	0	2	2	n
PRKCZ	PKCzeta/lambda	Q05513	PKCzeta/lambda (pT410/403)	9378	CST	PMT-phospho	Rabbit poly	0	nd	0	0	2	2	n
PRKD1	PKD/PKCmu	Q15139	PKD/PKCmu (pan)	2052	CST	pan	Rabbit poly	0	nd	8	0	1	1	n
PRKD1	PKD/PKCmu	Q15139	PKD/PKCmu (pS744/748)	2054	CST	PMT-phospho	Rabbit poly	0	nd	8	0	2	1	n
PRKD1	PKD/PKCmu	Q15139	PKD/PKCmu (pS916)	2051	CST	PMT-phospho	Rabbit poly	0	nd	5	0	2	1	n
PRKDC	DNAPK	P78527	DNAPK (pT2609)	600-401-494	Rockland	PMT-phospho	Rabbit poly	3	up/dn	2	2	8	3	y
PTEN	PTEN	P60484	PTEN (pS380)	9551	CST	PMT-phospho	Rabbit poly	0	nd	2	0	1	1	n
RAD1	RAD1	O60671	RAD1	sc-22783	SCB	pan	Rabbit poly	nd	nd	>10	0	1	1	n
RAD1	RAD1	O60671	RAD1	sc-14314	SCB	pan	Goat poly	0	nd	>10	0	1	1	n
RAD17	RAD17	O75943	RAD17 (pS645)	3421	CST	PMT-phospho	Rabbit poly	3	up	1	1	17	5	y
RAD17	RAD17	O75943	RAD17	3422	CST	pan	Rabbit poly	2	up	1	2	3	1	n
RAD17	RAD17	O75943	RAD17 (pS645)	AB3263	Chemicon	PMT-phospho	Rabbit poly	2	up	1	1	1	1	n
RAD17	RAD17	O75943	RAD17 (pS645)	A300-153A	Bethyl	PMT-phospho	Rabbit poly	1	up	1	1	1	1	n
RAD17	RAD17	O75943	RAD17	sc-5613	SCB	pan	Rabbit poly	0	nd	2	0	4	2	n
RAD17	RAD17	O75943	RAD17	AB3261	Chemicon	pan	Goat poly	0	nd	>10	0	1	1	n
RAD17	RAD17	O75943	RAD17	H00005884-M01	Abnova	pan	Mouse mAb	0	nd	>10	0	1	1	n
RAD17	RAD17	O75943	RAD17	A300-151A	Bethyl	pan	Goat poly	0	nd	>10	0	1	1	n
RAD21	RAD21	O60216	RAD21	05-908	Upstate	pan	Mouse mAb	0.5	dn	2	2	3	1	n

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RAD51	RAD51	Q06609	RAD51	05-530	Upstate	pan	Mouse mAb	0	nd	0	0	2	1	n
RAF1	RAF1	P04049	RAF (pS259)	9421	CST	PMT-phospho	Rabbit poly	0	nd	0	0	1	1	n
RB1	Rb	P06400	Rb (pS780)	1182-1	Epitomics	PMT-phospho	Rabbit mAb	2	dn	0	1	4	3	y
RB1	Rb	P06400	Rb (pan)	1194-1	Epitomics	pan	Rabbit mAb	1	up	0	1	2	2	n
RB1	Rb	P06400	Rb (pT821)	1231-1	Epitomics	PMT-phospho	Rabbit mAb	1	dn	0	1	1	1	n
RELA	NFkappaB p65	Q04206	NFkappaB p65 (pS536)	3033	CST	PMT-phospho	Rabbit poly	2	dn	0	1	2	2	n
RELA	NFkappaB p65	Q04206	NFkappaB p65	1546-1	Epitomics	pan	Rabbit mAb	0	nd	0	0	1	1	n
RELA	NFkappaB p65	Q04206	NFkappaB (pS536)	600-401-265	Rockland	PMT-phospho	Rabbit poly	0	nd	5	0	1	1	n
RPS6KA1	Rsk1	Q15418	RSK1 (pT359/pS363)	2006-1	Epitomics	PMT-phospho	Rabbit mAb	1	nd	1	0	1	1	n
RPS6KA1	Rsk1	Q15418	RSK1 (pS380)	1468-1	Epitomics	PMT-phospho	Rabbit mAb	0	nd	0	0	1	1	n
RPS6KA2	Rsk3	Q15349	RSK3 (pT353/356)	2012-1	Epitomics	PMT-phospho	Rabbit mAb	0	nd	0	0	1	1	n
RPS6KB1	p70S6	P23443	p70S6 (pT389)	1175-1	Epitomics	PMT-phospho	Rabbit mAb	1	dn	2	1	1	1	n
RPS6KB1	p70S6	P23443	p70S6 (pT421/pS424)	1135-1	Epitomics	PMT-phospho	Rabbit mAb	1	dn	1	1	1	1	n
SDCBP	SDCBP	O00560	SDCBP	H00006386-M01	Abnova	pan	Mouse mAb	0	nd	3	0	1	1	n
SKP1	Skp1	P63208	SKP1	2156	CST	pan	Rabbit poly	2	dn	2	1	1	1	n
SMAD1	Smad1	Q15797	Smad1	9511	CST	PMT-phospho	Rabbit poly	2	dn	4	1	2	1	n
SMAD3	Smad3	P84022	Smad3 (pS423/pS425)	600-401-919	Rockland	PMT-phospho	Rabbit poly	0	nd	5	0	2	1	n
SMAD5	Smad5	Q99717	Smad5	9511	CST	PMT-phospho	Rabbit poly	2	dn	4	1	2	1	n
SMAD9	Smad9	O15198	Smad9	9511	CST	PMT-phospho	Rabbit poly	2	dn	4	1	2	1	n
SMC1A	Smc1	Q14683	SMC1 (pS957)	4805	CST	PMT-phospho	Mouse mAb	3	up	4	3	35	5	y
SMC1A	Smc1	Q14683	SMC1 (pS957)	05-786	Upstate	PMT-phospho	Mouse mAb	3	up	4	3	6	4	n
SMC1A	Smc1	Q14683	Smc1 (pS957) (5D11G5)	200-301-397	Rockland	PMT-phospho	Mouse mAb	3	up	>10	3	1	1	n
SMC1A	Smc1	Q14683	SMC1 (pS966)	A300-050A	Bethyl	PMT-phospho	Rabbit poly	1	up	4	1	1	1	n
SMC1A	Smc1	Q14683	SMC1 (pan)	4802	CST	pan	Rabbit poly	0	nd	1	0	9	4	n
SMC1A	Smc1	Q14683	SMC1	A300-055A	Bethyl	pan	Rabbit poly	0	nd	>10	0	1	1	n
SMC1A	Smc1	Q14683	SMC1 (pan)	sc-56776	SCB	pan	Mouse mAb	0	nd	3	0	1	1	y
SOD2	MnSOD	P04179	MnSOD	06-984	Upstate	pan	Rabbit poly	0	nd	>10	1	1	1	n
SPP1	SPP1	P10451	SPP1	H00006696-M01	Abnova	pan	Mouse mAb	0	nd	>10	0	1	1	n
SYK	Syk	P43405	SYK	2712	CST	pan	Rabbit poly	1	dn	6	3	1	1	n
SYK	Syk	P43405	SYK (pY525/526)	2711	CST	PMT-phospho	Rabbit poly	1	dn	3	2	1	1	n
SYK	Syk	P43405	SYK (pY352)	2701	CST	PMT-phospho	Rabbit poly	1	dn	1	2	1	1	n
SYK	Syk	P43405	SYK (pY323)	2715	CST	PMT-phospho	Rabbit poly	0	nd	3	2	1	1	n
TANK	TANK	Q92844	TANK	H00010010-A01	Abnova	pan	Mouse poly	0	nd	3	0	2	1	n
TERT	hTERT	O14746	hTERT (C-term)	1531-1	Epitomics	pan	Rabbit mAb	0	nd	1	0	2	1	n
TK1	TK1	P04183	TK1	H00007083-M02	Abnova	pan	Mouse mAb	0	nd	0	0	2	1	n
TOP2A	TOP2A	P11388	TOP2A	AB3245	Chemicon	pan	Rabbit poly	1	dn	0	1	2	2	n
TOPBP1	Top BP1	Q92547	TOPBP1	H00007153-M01	Abnova	pan	Mouse mAb	1	up	2	1	2	1	y
TP53	P53	P04637	P53 (DO-1)	sc-126	SCB	pan	Mouse mAb	3	up	1	1	3	3	y
TP53	P53	P04637	P53	9282	CST	pan	Rabbit poly	3	up	0	1	7	3	y
TP53	P53	P04637	P53 (C-term)	1047-1	Epitomics	pan	Rabbit mAb	3	up	1	1	3	5	n
TP53	P53	P04637	P53 (N-term)	1005-1	Epitomics	pan	Rabbit mAb	3	up	1	1	4	3	n
TP53	P53	P04637	P53	1026-1	Epitomics	pan	Rabbit mAb	3	up	1	2	1	1	n
TP53	P53	P04637	P53 (pS15)	9286	CST	PMT-phospho	Mouse mAb	3	up	1	1	16	5	n
TP53	P53	P04637	P53 (pS15)	9284	CST	PMT-phospho	Rabbit poly	3	up	1	2	1	1	n
TP53	P53	P04637	P53 (pS37)	9289	CST	PMT-phospho	Rabbit poly	3	up	3	2	5	3	y
TP53	P53	P04637	P53 (S392)	1644-1	Epitomics	PMT-phospho	Rabbit mAb	3	up	1	2	1	1	n
TP53	P53	P04637	P53 (acyl-K382)	2525	CST	PMT-acyl	Rabbit poly	2	up	1	1	5	4	y

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TP53	P53	P04637	P53	2527	CST	pan	Rabbit mAb	2	up	1	1	3	1	y
TP53	P53	P04637	P53	2524	CST	pan	Mouse mAb	2	up	>10	1	1	1	y
TP53	P53	P04637	P53 (pS392)	9281	CST	PMT-phospho	Rabbit poly	2	up	2	1	7	1	y
TP53	P53	P04637	P53 (pS46)	2521	CST	PMT-phospho	Rabbit poly	2	up	3	1	3	2	n
TP53	P53	P04637	P53 (pS20)	9287	CST	PMT-phospho	Rabbit poly	1	up	3	2	3	2	n
TP53	P53	P04637	P53 (S6)	1536-1	Epitomics	PMT-phospho	Rabbit mAb	1	up	5	1	2	1	n
TP53	P53	P04637	P53 (acetyl-K380)	06-915	Upstate	PMT-acyl	Rabbit poly	0	nd	4	0	2	2	n
TP53	P53	P04637	P53 (pS6)	9285	CST	PMT-phospho	Rabbit poly	0	nd	5	0	2	2	n
TP53	P53	P04637	P53 (pS9)	9288	CST	PMT-phospho	Rabbit poly	0	nd	0	0	2	2	n
TP53	P53	P04637	P53 (S9)	1551-1	Epitomics	PMT-phospho	Rabbit mAb	0	nd	3	0	1	1	n
TP53BP1	53BP1	Q12888	53BP1	H00007158-M01	Abnova	pan	Mouse mAb	nd	nd	1	0	1	1	n
TP53BP1	53BP1	Q12888	53BP1 (pS25/pS29)	2674	CST	PMT-phospho	Rabbit poly	nd	nd	1	0	1	1	n
TP53BP1	53BP1	Q12888	53BP1	4937	CST	pan	Rabbit poly	2	down	1	1	16	5	y
TP73	p73	O15350	p73 (pY99)	4665	CST	PMT-phospho	Rabbit poly	0	nd	3	0	2	2	n
TP73L	p63	Q9H3D4	p63	4892	CST	pan	Rabbit poly	0	nd	4	0	3	2	n
TP73L	p63	Q9H3D4	p63 (pS455)	4985	CST	PMT-phospho	Rabbit poly	0	nd	5	0	3	2	n
XRCC1	XRCC-1	P18887	XRCC-1	AB3916	Chemicon	pan	Rabbit poly	0	nd	3	0	1	1	n
ZAP70	Zap70	P43403	ZAP70 (pY319)	2701	CST	PMT-phospho	Rabbit poly	2	dn	1	2	3	2	n
ZAP70	Zap70	P43403	ZAP70	2705	CST	pan	Rabbit mAb	0	nd	2	0	2	2	n
ZNF79	ZNF79	Q15937	ZNF79	ARP35825_P050	Aviva	pan	Rabbit poly	0	nd	2	0	1	1	n