

Neuronal Markers in the Brain

<i>Marker</i>	<i>Region</i>
<i>FGF8</i>	rostraldorsal midline
<i>Shh</i>	ventral, midbrain
<i>Id2</i>	caudal
<i>Calretinin</i>	marginal zone & dentate gyrus
<i>Reelin</i>	Cajal-Retzius cells in marginal zone
<i>SCIP</i>	cortex layer 2,3,5
<i>ROR-b</i>	cortex layer 4
<i>ER81</i>	cortex layer 5, hippocampus, spinal cord
<i>NeuN</i>	mature neuron, post-mitotic granule cells
<i>GFAP</i>	astroglial
<i>O4</i>	oligodendrocyte
<i>Doublecortin</i>	migrating & differentiating neurons
<i>BrdU</i>	birth-dating to trace newborn cells
<i>HNK-1</i>	marks undifferentiated cerebellar cells
<i>NNE (non-neuronal enolase)</i>	marker of undifferentiated granule cells
<i>TAG-1</i>	marks mitotic activity