

# Neural Markers

Citation Support Knockout/ Knockdown Validation

**Astrocytes**

- GFAP
- S100β
- AQP4
- IGF1BP3
- ALDH1L1
- Glutamine synthetase
- Aldolase C
- Coralin

**Microglia**

- CD11b
- Iba1
- CX3CR1
- CD45
- CD68
- F4/80
- HLA-DR
- C1qa
- INOS

**Oligodendrocytes**

- OLIG1
- OLIG2
- MBP
- MOG
- MAG
- GALC
- CNP

**Neurogenesis**

- BRG1
- Musashi-1
- Musashi-2
- Nestin
- N-cadherin
- PAX3
- PAX6
- SOX1
- SOX2
- OTX2
- CASPR
- ASCL1

**Immature Neurons**

- DCX
- NeuroD1
- TBR1
- Stathmin
- NCAM
- NSE

**Mature Neurons**

- NeuN
- Neurites
- Synapses
- Growth cones
- TuJ1
- MAP2
- Tau
- Synaptophysin
- PSD95
- GAP43
- Nrp1
- Neurofilament H/M/L
- alpha Intemexin

**Cholinergic**

- ChAT
- VACHT
- AChE
- ACHR

**Dopaminergic**

- TH
- DBH
- DAT
- NET
- GIRK2
- Nurr1
- LMX1B
- FOXA2
- DARPP-32

**GABAergic**

- GABA
- GABA<sub>A</sub> receptor alpha
- GABA<sub>A</sub> receptor beta
- GABA<sub>A</sub> receptor
- GAD65
- GAD67
- VGAT

**Glutamatergic**

- Glutaminase
- Glutaminase C
- Glutamine synthetase
- vGluT1
- vGluT2
- NMDAR1
- NMDAR2A
- NMDAR2B

**Serotonergic**

- Serotonin (5-HT)
- Serotonin transporter (5-HTT)
- TPH

