

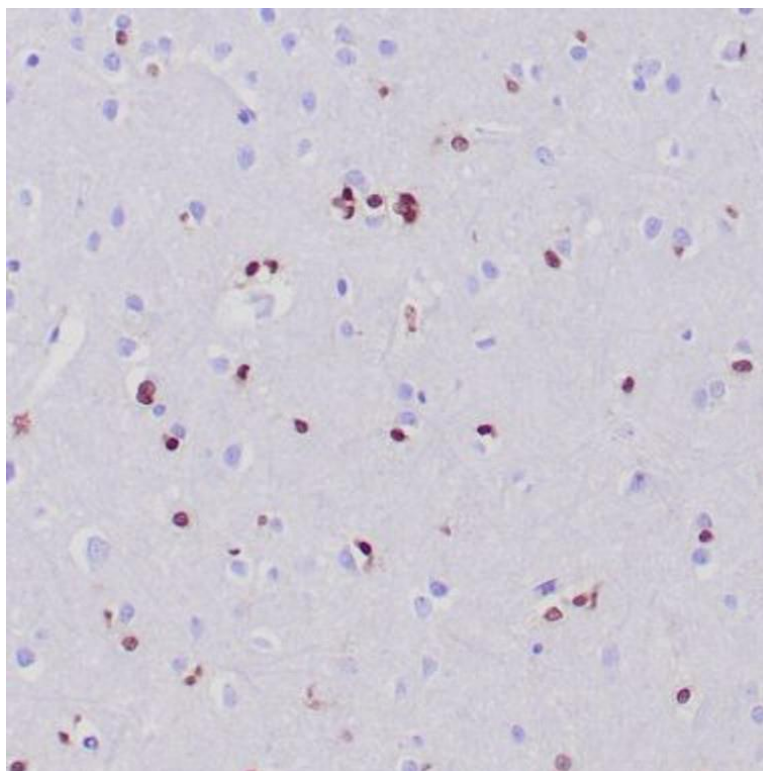
Anti-Olig2 antibody (200-300aa) [ZR340]

Cat # NB-22-53322-01 size: 0.1ml

Cat # NB-22-53322-05 size: 0.5ml

Cat # NB-22-53322-1 size: 1ml

Cat # NB-22-53322-7 size: 7ml (prediluted)



Human cerebrum stained with anti-Olig 2 antibody using peroxidase-conjugate and DAB chromogen.
Note the nuclear staining of oligodendroglial cells.

Description

Rabbit monoclonal antibody anti-Olig2 (200-300aa) is suitable for use in Immunohistochemistry research applications.

Product Information

| | |
|----------------------|----------------------------|
| Host: | Rabbit |
| Applications: | Immunohistology - Paraffin |
| Reactivity: | Human |
| Clonality: | Monoclonal |
| Clone ID: | ZR340 |
| Conjugation: | Unconjugated |
| Isotype: | IgG |

Formulation: Buffer with protein carrier and preservative
Purification: Affinity purified
Concentration: 1 mg/mL
Storage Instruction: Store at 2-8°C for up to 24 months. Predilute: Ready to use, no reconstitution necessary. Concentrate: Use dilution range and appropriate lab-standardized diluent. Stability after dilution: 7 days at 24°C, 3 months at 2-8°C, 6months at -20°C.

Target

Gene symbol: OLIG2
Gene ID: 10215
Uniprot ID: OLIG2_HUMAN
Immunogen Region: 200-300aa
Specificity: Positive control: Astrocytoma
Immunogen: Fragment (around aa 200-300) of human Olig2 protein

Additional information

Tissue Specificity: Expressed in the brain, in oligodendrocytes. Strongly expressed in oligodendrogliomas, while expression is weak to moderate in astrocytomas. Expression in glioblastomas highly variable.

Function: Required for oligodendrocyte and motor neuron specification in the spinal cord, as well as for the development of somatic motor neurons in the hindbrain. Functions together with ZNF488 to promote oligodendrocyte differentiation. Cooperates with OLIG1 to establish the pMN domain of the embryonic neural tube. Antagonist of V2 interneuron and of NKX2-2-induced V3 interneuron development.

Cellular Localisation: Nucleus
Cytoplasm
The Nls Contained In The Bhlh Domain Could Be Masked In The Native Form And Translocation To The Nucleus Could Be Mediated By Interaction Either With Class E Bhlh Partner Protein Or With Nkx2-2

Synonyms: Oligodendrocyte Transcription Factor 2
Oligo2
Class B Basic Helix-Loop-Helix Protein 1
Bhlhb1
Class E Basic Helix-Loop-Helix Protein 19
Bhlhe19
Protein Kinase C-Binding Protein 2
Protein Kinase C-Binding Protein Rack17

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