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Oligo-2 Antibody
Mouse Monoclonal Antibody (Mab)
Catalog # AD80268

Specification

Oligo-2 Antibody - Product info

Application	**IHC**
Primary Accession	Q13516
Reactivity	**Human**
Host	**Mouse**
Clonality	**Monoclonal**
Calculated MW	**32385**

Oligo-2 Antibody - Additional info

Gene ID	**10215**
Gene Name	**OLIG2**

Other Names
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, OLIG2, BHLHB1, BHLHE19, PRKCBP2, RACK17

Storage
Maintain refrigerated at 2-8°C

Precautions	**Oligo-2 Antibody is for research use only and not for use in diagnostic or therapeutic procedures.**

Oligo-2 Antibody - Protein Information

Name OLIG2

Synonyms	**BHLHB1, BHLHE19, PRKCBP2, RACK17**
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 Location	**Nucleus {ECO:0000255|PROSITE-ProRule:PRU00981}. Cytoplasm. Note=The NLS contained in the bHLH domain could be masked in the native form and**

Tissue Location	**translocation to the nucleus could be mediated by interaction either with class E bHLH partner protein or with NKX2-2 Expressed in the brain, in oligodendrocytes. Strongly expressed in oligodendrogliomas, while expression is weak to moderate in astrocytomas. Expression in glioblastomas highly variable.**

Oligo-2 Antibody - Protocols

Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

Oligo-2 Antibody - Images