

Olig2 Antibody

Rabbit mAb Catalog # AP90158

## Specification

# **Olig2 Antibody - Product Information**

Application Primary Accession Reactivity Clonality <b>Other Names</b> Oligo2; bHLHb1; Class E basic helix-loop-helix pro PRKC;	WB, IHC, ICC <u>013516</u> Rat Monoclonal Monoclonal Monoclonal; bHLHe19; OLIG2; BHLHB1; BHLHE19;
lsotype Host Calculated MW	Rabbit IgG Rabbit 32385 Da
Olig2 Antibody - Additional Information	
Purification Immunogen	Affinity-chromatography A synthesized peptide derived from human Olig2

Description

pMN domain of the embryonic neural tube.Antagonist of V2 interneuron and of<br/>NKX2-2-induced V3 interneuron<br/>development.Storage Condition and BufferRabbit IgG in phosphate buffered saline ,<br/>pH 7.4, 150mM NaCl, 0.02% sodium azide<br/>and 50% glycerol. Store at +4°C short<br/>term. Store at -20°C long term. Avoid

freeze / thaw cycle.

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motor neuron specification in the spinal cord, as well as for the development of somatic motor neurons in the hindbrain. Cooperates with OLIG1 to establish the

## **Olig2 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 translocation to the nucleus could be mediated by interaction either with class E bHLH partner protein or with NKX2-2.

#### **Tissue Location**

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

#### Olig2 Antibody - Protocols

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

- <u>Western Blot</u>
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- <u>Cell Culture</u>
- **Olig2 Antibody Images**



Western blot analysis of Olig2 in Human oligodendroglioma lysate.