

# Anti-Oligo2 Antibody

Rabbit polyclonal antibody to Oligo2

Catalog # AP61126

## Product Information

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Application	WB
Primary Accession	<a href="#">Q13516</a>
Other Accession	<a href="#">Q9EQW6</a>
Reactivity	Human, Mouse, Rat
Host	Rabbit
Clonality	Polyclonal
Calculated MW	32385

## Additional Information

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Gene ID	10215
Other Names	BHLHB1; BHLHE19; PRKCBP2; RACK17; 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
Target/Specificity	Recognizes endogenous levels of Oligo2 protein.
Dilution	WB~~WB (1/500 - 1/1000)
Format	Liquid in 0.42% Potassium phosphate, 0.87% Sodium chloride, pH 7.3, 30% glycerol, and 0.09% (W/V) sodium azide.
Storage	Store at -20 °C.Stable for 12 months from date of receipt

## Protein Information

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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

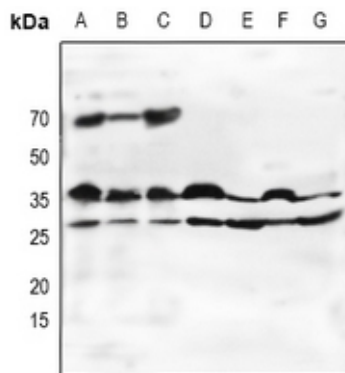
## Background

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KLH-conjugated synthetic peptide encompassing a sequence within the center region of human Oligo2. The exact sequence is proprietary.

## Images

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Western blot analysis of Oligo2 expression in HEK293T (A), Hela (B), LO2 (C), mouse brain (D), mouse muscle (E), rat brain (F), rat muscle (G) whole cell lysates.

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