

## Product datasheet for **AP10449PU-N**

### OLIG2 Rabbit Polyclonal Antibody

#### Product data:

Product Type:	Primary Antibodies
Recommended Dilution:	<b>ELISA.</b> <b>Western Blot:</b> 1/200-1/2000. <b>Immunohistochemistry:</b> 1/50-1/500.
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Immunogen:	Synthetic peptide derived from C-terminal domain of Human OLIG2
Specificity:	Reacts with Human 32 kDa OLIG2 protein. Cross reacts with proteins from Mouse, Rat and other species.
Formulation:	0.1M Tris 0.1M Glycine, 2% Sucrose State: Purified State: Lyophilized purified antibody Preservative: None
Concentration:	lot specific
Purification:	Affinity Chromatography on Protein A
Conjugation:	Unconjugated
Storage:	Prior to reconstitution store the antibody at -20°C. Store reconstituted antibody at 2-8°C for one month or (in aliquots) at -20°C for longer Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
Gene Name:	oligodendrocyte lineage transcription factor 2
Database Link:	<a href="#">Entrez Gene 10215 Human Q13516</a>



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**Background:**

Olig2 is a transcription factor which is required for oligodendrocyte and motor neuron specification in the spinal cord, as well as for the development of somatic motor neurons in the hindbrain. Expressed in the ventral spinal cord as early as 9.5 dpc and scattered in the mantle zone, likely corresponding to oligodendrocyte progenitors migrating out from their site of origin. From 10.5 through 14.5 dpc, Olig2 is expressed in numerous cells in the ventricular and subventricular zones of the lateral and medial ganglionic eminences, suggesting that expression might not be limited to the oligodendrocytic lineage. Olig2 has further been shown to be critical in the proliferation of malignant glioma in brain tumors (Ligon et al., 2007).

**Synonyms:**

OLIG2, BHLHB1, PRKCBP2, RACK17, Oligodendrocyte transcription factor 2, Oligo2, bHLHB1