

AP10449PU-N**Polyclonal Antibody to OLIG2 - Purified****Alternate names:**

BHLHB1, Class B basic helix-loop-helix protein 1, OLIG2, Oligo2, Oligodendrocyte transcription factor 2, PRKCBP2, Protein kinase C-binding protein 2, Protein kinase C-binding protein RACK17, RACK17, bHLHB1

Quantity:

0.1 mg

Concentration:

1 mg/ml

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).

Uniprot ID:

[Q13516](#)

NCBI:

[NP_005797.1](#)

GenelD:

[10215](#)

Host:

Rabbit

Immunogen:

Synthetic peptide derived from C-terminal domain of Human OLIG2

Format:

State: Lyophilized purified antibody

Purification: Affinity Chromatography on Protein A

Buffer System: 0.1M Tris 0.1M Glycine, 2% Sucrose

Preservatives: None

Applications:

ELISA.

Western Blot: 1/200-1/2000.

Immunohistochemistry: 1/50-1/500.

Other applications not tested. Optimal dilutions are dependent on conditions and should be determined by the user.

Specificity:

Reacts with Human 32 kDa OLIG2 protein.

Cross reacts with proteins from Mouse, Rat and other species.

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.

Shelf life: one year from despatch.