

Product datasheet for **AP55121SU-N**

OLIG2 pSer147 Rabbit Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	ELISA, IHC, WB
Recommended Dilution:	ELISA. Western Blot: 1/200-1/2000. Immunohistochemistry: 1/50-1/500.
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Immunogen:	Synthetic peptide containing Phospho Serine 147 derived from internal domain of Human OLIG3.
Specificity:	This antibody reacts with Human 29 kDa Phosphoprotein. May cross-reacts with OLIG2 pSer147 from Mouse and with Mouse OLIG2, bHLHB3, 4, 5 and also nHLHB7 from other species.
Formulation:	State: Serum State: Lyophilized serum Preservative: None
Reconstitution Method:	Restore in 200 µl distilled water.
Conjugation:	Unconjugated
Storage:	Store lyophilized at 2-8°C for 6 months or at -20°C long term. After reconstitution store the antibody undiluted at 2-8°C for one month or (in aliquots) at -20°C long term. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
Gene Name:	oligodendrocyte lineage transcription factor 2
Database Link:	<u>Entrez Gene 10215 Human Q13516</u>



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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