

For Research Use Only

OLIG2 Recombinant antibody

Catalog Number:82806-7-RR



Basic Information

Catalog Number: 82806-7-RR	GenBank Accession Number: BC047511	Purification Method: Protein A purification
Size: 100ul , Concentration: 1000 ug/ml by Nanodrop;	GeneID (NCBI): 10215	CloneNo.: 240839C1
Source: Rabbit	UNIPROT ID: Q13516	Recommended Dilutions: WB 1:2000-1:10000
Isotype: IgG	Full Name: oligodendrocyte lineage transcription factor 2	
Immunogen Catalog Number: AG5089	Calculated MW: 32 kDa	
	Observed MW: 35 kDa	

Applications

Tested Applications: WB, ELISA	Positive Controls: WB : THP-1 cells, mouse brain tissue, rat brain tissue
Species Specificity: human, mouse, rat	

Background Information

OLIG2, also named as BHLHB1, BHLHE19, PRKCBP2 and RACK17, 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. Cooperates with OLIG1, OLIG2 establish the pMN domain of the embryonic neural tube. Antagonist of V2 interneuron and of NIKX2-2-induced V3 interneuron development. OLIG2 is widely expressed in subsets of glia cells and progenitors, and it is strongly induced at different sites by both acute and chronic injury, albeit with different mechanisms. OLIG2 acts as a repressor of neurogenesis in cells reacting to brain injury. It may represent an effective approach towards evoking neuronal repair from parenchymal precursors.(PMID:19390819)

Storage

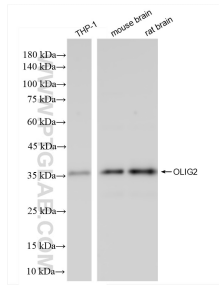
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

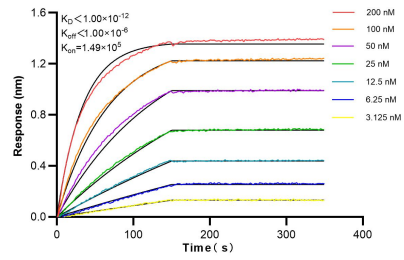
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Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 82806-7-RR (OLIG2 antibody) at dilution of 1:5000 incubated at room temperature for 1.5 hours.



Biolayer interferometry (BLI) kinetic assays of 82806-7-RR against Human OLIG2 were performed. The affinity constant is below 1 pM.