

For Research Use Only

OLIG2 (for WB only) Monoclonal antibody

Catalog Number: 66513-1-Ig **15 Publications**



Basic Information

Catalog Number: 66513-1-Ig	GenBank Accession Number: BC047511	Purification Method: Protein A purification
Concentration: 1500 ug/ml	GeneID (NCBI): 10215	CloneNo.: 1E8C5
Source: Mouse	UNIPROT ID: Q13516	Recommended Dilutions: WB 1:1000-1:6000
Isotype: IgG2a	Full Name: oligodendrocyte lineage transcription factor 2	
Immunogen Catalog Number: AG18838	Calculated MW: 32 kDa	
	Observed MW: 35-39 kDa	

Applications

Tested Applications: WB, ELISA	Positive Controls: WB : human brain tissue, human cerebellum tissue
Cited Applications: WB	
Species Specificity: human	
Cited Species: human	

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 NKX2-2-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)

Notable Publications

Author	Pubmed ID	Journal	Application
Hongtao Zhu	35814469	Front Oncol	WB
Xianli Du	36660824	Nucleic Acids Res	WB
Tie-Feng Yao	39730060	J Biol Chem	

Storage

Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol, pH7.3
Aliquoting is unnecessary for -20°C storage

For technical support and original validation data for this product please contact:

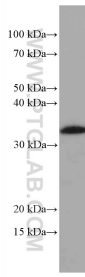
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This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

Selected Validation Data



human brain tissue were subjected to SDS PAGE followed by western blot with 66513-1-Ig (OLIG2 antibody) at dilution of 1:3000 incubated at room temperature for 1.5 hours.