

For Research Use Only

OMG Polyclonal antibody

Catalog Number: 12701-1-AP

2 Publications



Basic Information

Catalog Number: 12701-1-AP	GenBank Accession Number: BC018050	Purification Method: Antigen affinity purification
Size: 150ul , Concentration: 400 ug/ml by Nanodrop and 267 ug/ml by Bradford method using BSA as the standard;	GeneID (NCBI): 4974	Recommended Dilutions: WB 1:500-1:1000 IHC 1:50-1:500
Source: Rabbit	UNIPROT ID: P23515	
Isotype: IgG	Full Name: oligodendrocyte myelin glycoprotein	
Immunogen Catalog Number: AG3210	Calculated MW: 440 aa, 50 kDa	
	Observed MW: 50 kDa	

Applications

Tested Applications: WB, IHC, ELISA	Positive Controls: WB : mouse spinal cord tissue, mouse brain tissue IHC : human brain tissue,
Cited Applications: WB	
Species Specificity: human, mouse, rat	
Cited Species: human, rat	
Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0	

Background Information

OMG (oligodendrocyte myelin glycoprotein), also known as OMGP. It is expected to be located in cell membrane, the protein is mainly expressed in the central nervous system in both neurons and oligodendrocytes. The calculated molecular weight of OMG is 50 kDa, and o-glycosylated in its Ser/Thr-rich repeat domain. It is also a cell adhesion molecule contributing to the interactive process required for myelination in the central nervous system. Axonal regeneration in the adult spinal cord is thought to be at least partially blocked after injury by inhibitory myelin components, including Nogo, myelin associated glycoprotein (MAG) and oligodendrocyte-myelin glycoprotein (OMGP).

Notable Publications

Author	Pubmed ID	Journal	Application
Suhui Chen	32853644	Brain Res	WB
Partha K Chandra	36992502	Viruses	WB

Storage

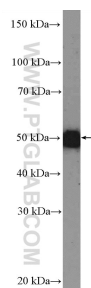
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

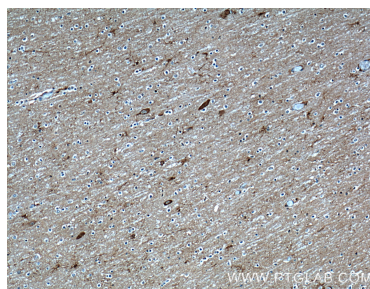
For technical support and original validation data for this product please contact:
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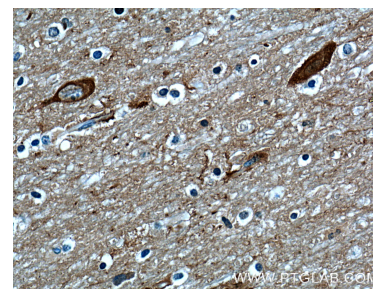
Selected Validation Data



mouse spinal cord tissue were subjected to SDS PAGE followed by western blot with 12701-1-AP (OMG Antibody) at dilution of 1:600 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded human brain tissue slide using 12701-1-AP (OMG Antibody) at dilution of 1:200 (under 10x lens).



Immunohistochemical analysis of paraffin-embedded human brain tissue slide using 12701-1-AP (OMG Antibody) at dilution of 1:200 (under 40x lens).