

OMG Polyclonal antibody

Catalog Number: 12701-1-AP

2 Publications

Basic Information

Catalog Number:

12701-1-AP

Size:

400 µg/ml

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG3210

GenBank Accession Number:

BC018050

GeneID (NCBI):

4974

UNIPROT ID:

P23515

Full Name:

oligodendrocyte myelin glycoprotein

Calculated MW:

440 aa, 50 kDa

Observed MW:

50 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

WB 1:500-1:1000

IHC 1:50-1:500

Applications

Tested Applications:

IHC, WB, ELISA

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

Positive Controls:

WB : mouse spinal cord tissue, mouse brain tissue

IHC : human brain tissue,

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

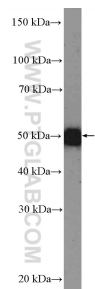
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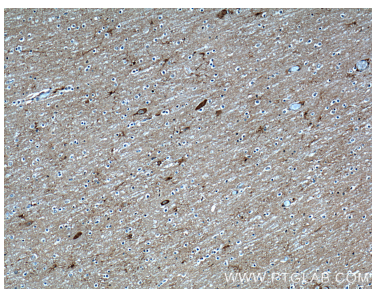
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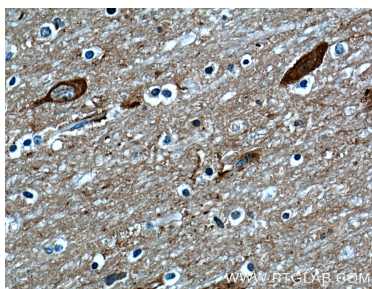
Selected Validation Data



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).