

For Research Use Only

MAG Polyclonal antibody

Catalog Number: 14386-1-AP

23 Publications



Basic Information

Catalog Number:

14386-1-AP

Concentration:

400 ug/ml

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG5845

GenBank Accession Number:

BC053347

GeneID (NCBI):

4099

UNIPROT ID:

P20916

Full Name:

myelin associated glycoprotein

Calculated MW:

69 kDa

Observed MW:

100 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

WB: 1:1000-1:3000

IHC: 1:50-1:500

IF-P: 1:300-1:1200

Applications

Tested Applications:

WB, IHC, IF-P, ELISA

Cited Applications:

WB, IHC, IF

Species Specificity:

human, mouse, rat

Cited Species:

human, mouse, 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, rat brain tissue

IHC : mouse brain tissue,

IF-P : mouse brain tissue,

Background Information

MAG (myelin associated glycoprotein) is a 100-kDa transmembrane glycoprotein that is a member of the SIGLEC family of proteins. MAG is localized in periaxonal Schwann cell and oligodendroglial membranes of myelin sheaths where it functions in glia-axon interactions (PMID: 17241126). It is a functional ligand for the Nogo-66 receptor (PMID: 12089450). MAG is a cell adhesion molecule for postnatal neural development and is thought to be involved in the process of myelination.

Notable Publications

Author	Pubmed ID	Journal	Application
Jie Cao	34704235	Neurosci Bull	IF
Yao Wang	36302461	Mol Cell Neurosci	WB,IF
Tuancheng Feng	35287730	Acta Neuropathol Commun	WB

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:

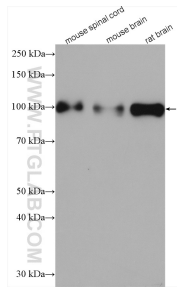
T: 4006900926

E: Proteintech-CN@ptglab.com

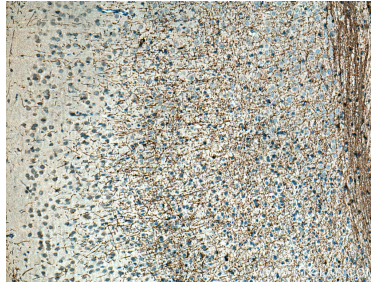
W: ptgcn.com

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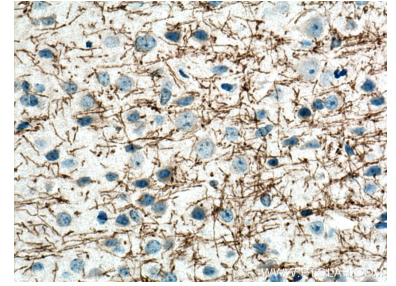
Selected Validation Data



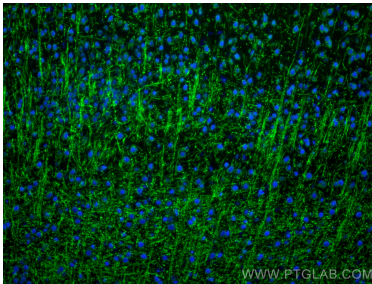
Various lysates were subjected to SDS PAGE followed by western blot with 14386-1-AP (MAG antibody) at dilution of 1:2500 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded mouse brain tissue slide using 14386-1-AP (MAG antibody) at dilution of 1:200 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded mouse brain tissue slide using 14386-1-AP (MAG antibody) at dilution of 1:200 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunofluorescent analysis of (4% PFA) fixed paraffin-embedded mouse brain tissue using MAG antibody (14386-1-AP) at dilution of 1:600 and CoraLite®488-Conjugated Goat Anti-Rabbit IgG(H+L) (SA00013-2), Histone H3 antibody (68345-1-Ig, Clone: 1A2A3, blue). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).