

For Research Use Only

MAG Polyclonal antibody

Catalog Number: 14386-1-AP

15 Publications



Basic Information

| | | |
|---|---|--|
| Catalog Number: 14386-1-AP | GenBank Accession Number: BC053347 | Purification Method: Antigen affinity purification |
| Size: 150ul , Concentration: 400 µg/ml by Nanodrop; | GeneID (NCBI): 4099 | Recommended Dilutions: WB 1:1000-1:3000 IHC 1:50-1:500 IF 1:50-1:500 |
| Source: Rabbit | UNIPROT ID: P20916 | |
| Isotype: IgG | Full Name: myelin associated glycoprotein | |
| Immunogen Catalog Number: AG5845 | Calculated MW: 69 kDa | |
| | Observed MW: 100 kDa | |

Applications

| | |
|--|---|
| Tested Applications: WB, IF, IHC, ELISA | Positive Controls: WB : mouse spinal cord tissue, rat brain tissue, mouse brain tissue IHC : mouse brain tissue, IF : mouse brain tissue, |
| Cited Applications: WB, IF | |
| Species Specificity: human, mouse, rat | |
| Cited Species: human, rat, mouse | |
| 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

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 | IF, WB |
| Tuancheng Feng | 35287730 | Acta Neuropathol Commun | WB |

Storage

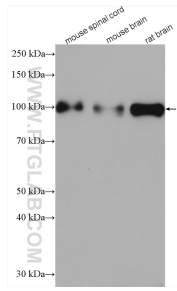
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

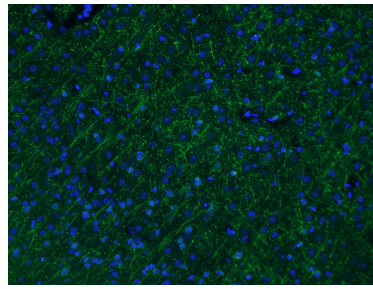
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
W: ptglab.com

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

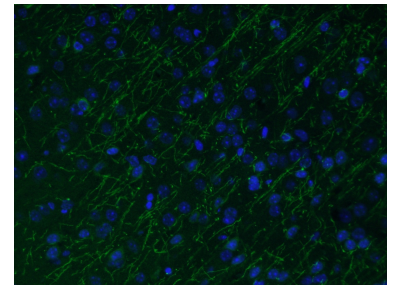
Selected Validation Data



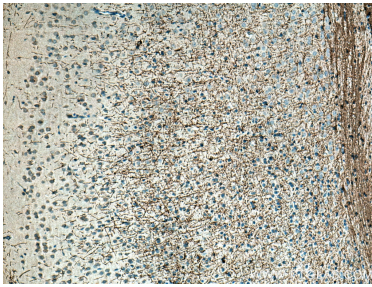
Various lysates were subjected to SDS PAGE followed by western blot with 14386-1-AP (MAG antibody) at dilution of 1:2500 incubated at room temperature for 1.5 hours.



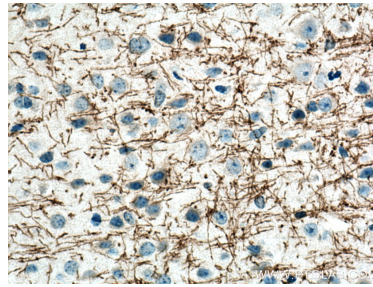
Immunofluorescent analysis of (4% PFA) fixed mouse brain tissue using 14386-1-AP (MAG antibody) at dilution of 1:50 and Alexa Fluor 488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L).



Immunofluorescent analysis of (4% PFA) fixed mouse brain tissue using 14386-1-AP (MAG antibody) at dilution of 1:50 and Alexa Fluor 488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L).



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).