For Research Use Only

MAG Monoclonal antibody

Catalog Number:66709-1-Ig

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Basic Information

Catalog Number:
66709-1-Ig

Size:
150ul , Concentration: 1100 μg/ml by Nanodrop and 1000 μg/ml by Bradford method using BSA as the standard;

Source:
Mouse

Isotype:
IgG1

Immunogen Catalog Number:
AG6065

GenBank Accession Number:
BC053347

GeneID (NCBI):
4099

Full Name:
myelin associated glycoprotein

Calculated MW:
69 kDa

Observed MW:
100 kDa

Purification Method:
Protein G purification

CloneNo.:
3H9G3

Recommended Dilutions:
WB 1:1000-1:3000
IHC 1:500-1:2000

Applications

Tested Applications:
IHC, WB,ELISA

Species Specificity:
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 : rat brain tissue, rat cerebellum tissue

IHC : 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.

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
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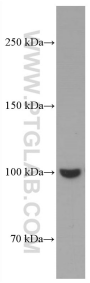
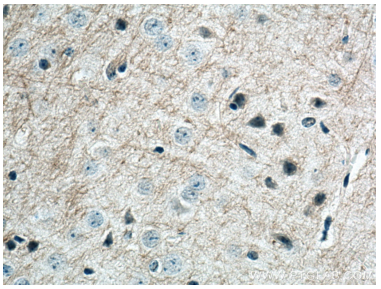
Selected Validation Data



rat brain tissue were subjected to SDS PAGE followed by western blot with 66709-1-Ig (MAG antibody) at dilution of 1:3000 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded mouse brain tissue slide using 66709-1-Ig (MAG antibody) at dilution of 1:1000 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).