

For Research Use Only

# MAG Monoclonal antibody

Catalog Number: 66709-1-Ig



## Basic Information

<b>Catalog Number:</b> 66709-1-Ig	<b>GenBank Accession Number:</b> BC053347	<b>Purification Method:</b> Protein G purification
<b>Size:</b> 150ul , Concentration: 1100 ug/ml by Nanodrop and 1000 ug/ml by Bradford method using BSA as the standard;	<b>GeneID (NCBI):</b> 4099	<b>CloneNo.:</b> 3H9G3
<b>Source:</b> Mouse	<b>UNIPROT ID:</b> P20916	<b>Recommended Dilutions:</b> WB 1:1000-1:3000 IHC 1:500-1:2000
<b>Isotype:</b> IgG1	<b>Full Name:</b> myelin associated glycoprotein	
<b>Immunogen Catalog Number:</b> AG6065	<b>Calculated MW:</b> 69 kDa	
	<b>Observed MW:</b> 100 kDa	

## Applications

<b>Tested Applications:</b> WB, IHC, ELISA	<b>Positive Controls:</b>
<b>Species Specificity:</b> Human, Mouse, Rat	<b>WB :</b> rat brain tissue, rat cerebellum tissue
	<b>IHC :</b> mouse brain tissue,

**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.

## 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**

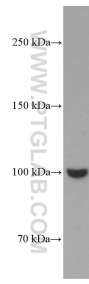
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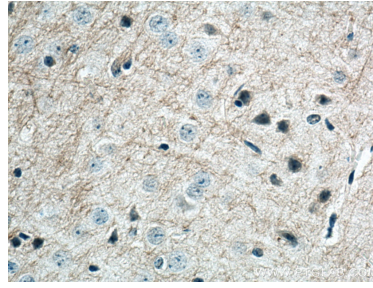
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## Selected Validation Data



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).