

# MAG Monoclonal antibody

Catalog Number: 66709-1-Ig

## Basic Information

Catalog Number: 66709-1-Ig	GenBank Accession Number: BC053347	Purification Method: Protein G purification
Size: 1100 µg/ml	GeneID (NCBI): 4099	CloneNo.: 3H9G3
Source: Mouse	UNIPROT ID: P20916	Recommended Dilutions: WB 1:1000-1:3000 IHC 1:500-1:2000
Isotype: IgG1	Full Name: myelin associated glycoprotein	
Immunogen Catalog Number: AG6065	Calculated MW: 69 kDa Observed MW: 100 kDa	

## Applications

Tested Applications: IHC, WB, ELISA	Positive Controls: WB : rat brain tissue, rat cerebellum tissue IHC : mouse brain tissue,
Species Specificity: Human, Mouse, Rat	
<b>Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0</b>	

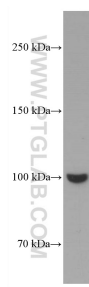
## Background Information

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.

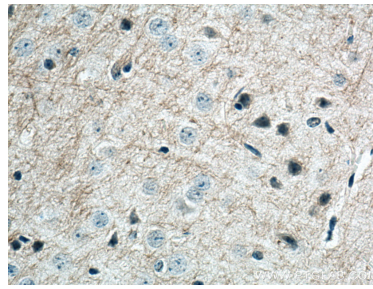
## Storage

**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

## 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).