

For Research Use Only

# MDGA1 Recombinant monoclonal antibody

Catalog Number: 87078-1-RR



## Basic Information

<b>Catalog Number:</b> 87078-1-RR	<b>GenBank Accession Number:</b> NM_153487.4	<b>Purification Method:</b> Protein A purification
<b>Source:</b> Rabbit	<b>GeneID (NCBI):</b> 266727	<b>CloneNo.:</b> 252174C9
<b>Isotype:</b> IgG	<b>UNIPROT ID:</b> Q8NFP4-1	<b>Recommended Dilutions:</b> WB: 1:1000-1:4000 IHC: 1:500-1:2000
<b>Immunogen Catalog Number:</b> EG5837	<b>Full Name:</b> MAM domain containing glycosylphosphatidylinositol anchor 1	
	<b>Calculated MW:</b> 106 kDa	
	<b>Observed MW:</b> 130 kDa	

## Applications

### Tested Applications:

WB, IHC, 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 : mouse brain tissue, rat brain tissue, fetal human brain tissue

IHC : mouse cerebellum tissue,

## Background Information

The MAM domain GPI-anchored molecule (MDGA) family proteins are glycosylphosphatidylinositol (GPI) anchored proteins, consisting of MDGA 1 and MDGA2. They are highly expressed in the central nervous system and can act as type-specific synaptic repressors (PMID: 41124857; 38900791). MDGA1 contains Ig and MAM domains that are involved in cell motility and play a role in cell migration and/or adhesion (PMID: 35532105). MDGA1 is a glycoprotein containing 955 amino acids with an observed molecular weight of 130-140 kDa (PMID: 35532105; 26776515; 21505559).

## 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:

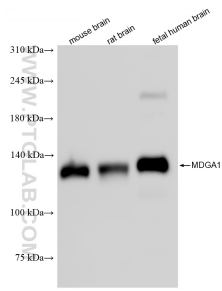
T: 4006900926

E: Proteintech-CN@ptglab.com

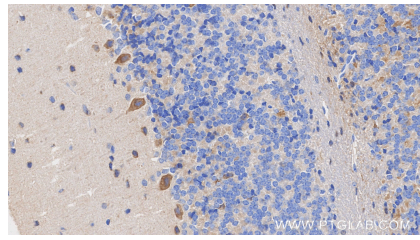
W: ptgcn.com

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## Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 87078-1-RR (MDGA1 antibody) at dilution of 1:2000 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded mouse cerebellum tissue slide using 87078-1-RR (MDGA1 antibody) at dilution of 1:1000 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).