

For Research Use Only

# MDGA1 Recombinant monoclonal antibody, PBS Only

Catalog Number: 87078-1-PBS



## Basic Information

<b>Catalog Number:</b> 87078-1-PBS	<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>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, Indirect ELISA

**Species Specificity:**  
human, mouse, rat

## Background Information

The MAM domain GPI-anchored molecule (MDGA) family proteins are glycosylphosphatidylinositol (GPI) anchored proteins, consisting of MDGA1 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 -80°C.  
**The product is shipped with ice packs. Upon receipt, store it immediately at -80°C**

**Storage Buffer:**  
PBS only, pH7.3

For technical support and original validation data for this product please contact:

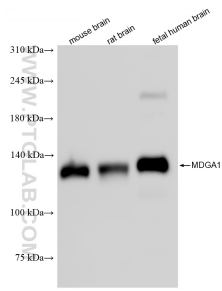
T: 4006900926

E: [Proteintech-CN@ptglab.com](mailto:Proteintech-CN@ptglab.com)

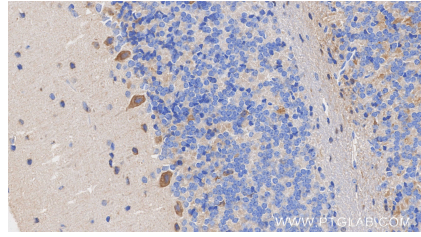
W: [ptgcn.com](http://ptgcn.com)

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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. This data was developed using the same antibody clone with 87078-1-PBS in a different storage buffer formulation.



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). This data was developed using the same antibody clone with 87078-1-PBS in a different storage buffer formulation.