

For Research Use Only

# MDGA1 Polyclonal antibody

Catalog Number: 33775-1-AP



## Basic Information

<b>Catalog Number:</b> 33775-1-AP	<b>GenBank Accession Number:</b> NM_153487.4	<b>Purification Method:</b> Antigen affinity Purification
<b>Size:</b> 150ul , Concentration: 430 ug/ml by Nanodrop;	<b>GeneID (NCBI):</b> 266727	<b>Recommended Dilutions:</b> WB: 1:500-1:1000 IHC: 1:200-1:800
<b>Source:</b> Rabbit	<b>UNIPROT ID:</b> Q8NFP4-1	
<b>Isotype:</b> IgG	<b>Full Name:</b> MAM domain containing glycosylphosphatidylinositol anchor 1	
<b>Immunogen Catalog Number:</b> EG5837	<b>Calculated MW:</b> 106 kDa	
	<b>Observed MW:</b> 130 kDa	

## Applications

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

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 involved in cell motility and plays 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

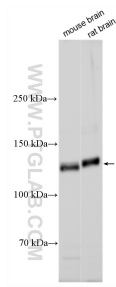
**Storage:**  
Store at -20°C. Stable for one year after shipment.  
**Storage Buffer:**  
PBS with 0.02% sodium azide and 50% glycerol, pH7.3  
Aliquoting is unnecessary for -20°C storage

\*\*\* 20ul sizes contain 0.1% BSA

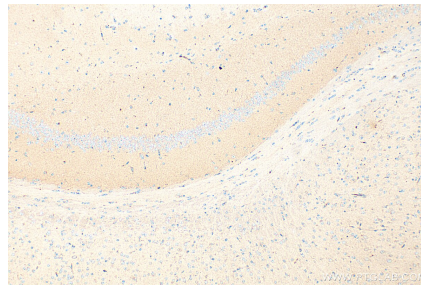
For technical support and original validation data for this product please contact:  
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## Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 33775-1-AP (MDGA1 antibody) at dilution of 1:500 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded mouse brain tissue slide using 33775-1-AP (MDGA1 antibody) at dilution of 1:400 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).