

For Research Use Only

MDGA1 Recombinant monoclonal antibody

Catalog Number: 87078-1-RR



Basic Information

| | | |
|----------------------------------------------------------------|----------------------------------------------------------------------------------|-------------------------------------------------------------------------|
| Catalog Number: 87078-1-RR | GenBank Accession Number: NM_153487.4 | Purification Method: Protein A purification |
| Size: 100ul , Concentration: 1000 µg/ml by Nanodrop; | GeneID (NCBI): 266727 | CloneNo.: 252174C9 |
| Source: Rabbit | UNIPROT ID: Q8NFP4-1 | Recommended Dilutions: WB: 1:1000-1:4000 IHC: 1:500-1:2000 |
| Isotype: IgG | Full Name: MAM domain containing glycosylphosphatidylinositol anchor 1 | |
| Immunogen Catalog Number: EG5837 | Calculated MW: 106 kDa | |
| | Observed MW: 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

*** 20ul sizes contain 0.1% BSA

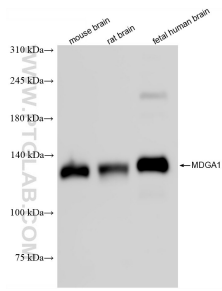
For technical support and original validation data for this product please contact:

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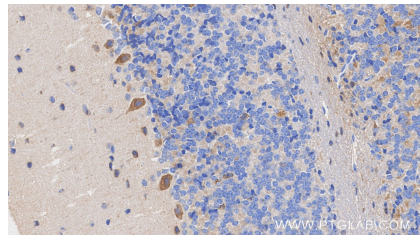
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Selected Validation Data



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).