



## Rabbit Anti-MDGA2 antibody

SL11092R

<b>Product Name:</b>	MDGA2
<b>Chinese Name:</b>	神经元膜glycoprotein锚定蛋白2抗体
<b>Alias:</b>	MAM domain-containing glycosylphosphatidylinositol anchor protein 2; MAM domain-containing protein 1; MAMDC1; Mdga2; MDGA2_HUMAN; UNQ8188/PRO23197; c14_5286.
<b>Organism Species:</b>	Rabbit
<b>Clonality:</b>	Polyclonal
<b>React Species:</b>	Human,Mouse,Rat,Chicken,Dog,Cow,Horse,Sheep,
<b>Applications:</b>	WB=1:500-2000ELISA=1:500-1000IHC-P=1:400-800IHC-F=1:400-800ICC=1:100-500IF=1:100-500 (Paraffin sections need antigen repair) not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
<b>Molecular weight:</b>	102kDa
<b>Cellular localization:</b>	The cell membrane
<b>Form:</b>	Lyophilized or Liquid
<b>Concentration:</b>	1mg/ml
<b>immunogen:</b>	KLH conjugated synthetic peptide derived from human MDGA2:751-850/956
<b>Lsotype:</b>	IgG
<b>Purification:</b>	affinity purified by Protein A
<b>Storage Buffer:</b>	0.01M TBS(pH7.4) with 1% BSA, 0.03% Proclin300 and 50% Glycerol.
<b>Storage:</b>	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. The lyophilized antibody is stable at room temperature for at least one month and for greater than a year when kept at -20°C. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.
<b>PubMed:</b>	<a href="#">PubMed</a>
<b>Product Detail:</b>	MDGA2 is a cell membrane protein which contains six Ig-like (immunoglobulin-like) domains and one MAM domain. Analyses of the full-length coding region of MDGA1 and MDGA2 indicate that they encode proteins that comprise a novel subgroup of the Ig superfamily and have a unique structural organization consisting of six immunoglobulin (Ig)-like domains followed by a single MAM domain. Biochemical characterization

demonstrates that MDGA1 and MDGA2 proteins are highly glycosylated, and that MDGA1 is tethered to the cell membrane by a GPI anchor. The MDGAs are differentially expressed by subpopulations of neurons in both the central and peripheral nervous systems, including neurons of the basilar pons, inferior olive, cerebellum, cerebral cortex, olfactory bulb, spinal cord, and dorsal root and trigeminal ganglia. The similarity of MDGAs to other Ig-containing molecules and their temporal-spatial patterns of expression within restricted neuronal populations, for example migrating pontine neurons and D1 spinal interneurons, suggest a role for these novel proteins in regulating neuronal migration, as well as other aspects of neural development, including axon guidance.

**Function:**

May involved in cell-cell interactions.

**Subcellular Location:**

Cell membrane.

**Similarity:**

Contains 6 Ig-like (immunoglobulin-like) domains. Contains 1 MAM domain.

**SWISS:**

Q7Z553

**Gene ID:**

161357

**Database links:**

[Entrez Gene: 161357](#)Human

[Entrez Gene: 320772](#)Mouse

[Entrez Gene: 314180](#)Rat

[Omim: 611128](#)Human

[SwissProt: Q7Z553](#)Human

[SwissProt: P60755](#)Mouse

[SwissProt: P60756](#)Rat

[Unigene: 436380](#)Human

[Unigene: 227680](#)Mouse

[Unigene: 205097](#)Rat

**Important Note:**

This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.

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