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MDGA2 Rabbit pAb

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Catalog # AP54370

Product Information

Application	WB, IHC-P, IHC-F, IF, E
Primary Accession	Q7Z553
Reactivity	Rat
Predicted	Human, Mouse, Chicken, Dog, Horse, Sheep
Host	Rabbit
Clonality	Polyclonal
Calculated MW	107436
Physical State	Liquid
Immunogen	KLH conjugated synthetic peptide derived from human MDGA2
Epitope Specificity	751-850/956
Isotype	IgG
Purity	affinity purified by Protein A
Buffer	0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.
SUBCELLULAR LOCATION	Cell membrane.
SIMILARITY	Contains 6 Ig-like (immunoglobulin-like) domains. Contains 1 MAM domain.
Important Note	This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.
Background Descriptions	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.

Additional Information

Gene ID	161357
Other Names	MAM domain-containing glycosylphosphatidylinositol anchor protein 2, MAM domain-containing protein 1, MDGA2, MAMDC1

Dilution	WB=1:500-2000,IHC-P=1:100-500,IHC-F=1:100-500,ICC/IF=1:100-500,IF=1:100-500,ELISA=1:5000-10000
Storage	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. 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.

Protein Information

Name	MDGA2
Synonyms	MAMDC1
Function	May be involved in cell-cell interactions.
Cellular Location	Cell membrane; Lipid-anchor, GPI- anchor
Tissue Location	Detected in Leydig cells, syncytiotrophoblast, duodenal villi epithelial cells and neutrophils from kidney and cutaneous squamous cell carcinoma (at protein level)

Background

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