

MAGI2 Antibody (C-term)

Purified Rabbit Polyclonal Antibody (Pab)

Catalog # AP21243b

Product Information

Application	WB, E
Primary Accession	Q86UL8
Reactivity	Human, Rat, Mouse
Predicted	Bovine, Canine, Rabbit, Chicken
Host	Rabbit
Clonality	polyclonal
Isotype	Rabbit IgG
Clone Names	RB52649
Calculated MW	158754

Additional Information

Gene ID	9863
Other Names	Membrane-associated guanylate kinase, WW and PDZ domain-containing protein 2, Atrophin-1-interacting protein 1, AIP-1, Atrophin-1-interacting protein A, Membrane-associated guanylate kinase inverted 2, MAGI-2, MAGI2, ACVRINP1, AIP1, KIAA0705
Target/Specificity	This MAGI2 antibody is generated from a rabbit immunized with a KLH conjugated synthetic peptide between 1123-1156 amino acids from the C-terminal region of human MAGI2.
Dilution	WB~~1:2000 E~~Use at an assay dependent concentration.
Format	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.
Storage	Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.
Precautions	MAGI2 Antibody (C-term) is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

Name	MAGI2
Synonyms	ACVRINP1, AIP1, KIAA0705

Function	Seems to act as a scaffold molecule at synaptic junctions by assembling neurotransmitter receptors and cell adhesion proteins (By similarity). Plays a role in nerve growth factor (NGF)-induced recruitment of RAPGEF2 to late endosomes and neurite outgrowth (By similarity). May play a role in regulating activin-mediated signaling in neuronal cells (By similarity). Enhances the ability of PTEN to suppress AKT1 activation (PubMed: 10760291). Plays a role in receptor- mediated clathrin-dependent endocytosis which is required for ciliogenesis (By similarity).
Cellular Location	Cytoplasm. Late endosome. Synapse, synaptosome. Cell membrane; Peripheral membrane protein. Cytoplasm, cytoskeleton, microtubule organizing center, centrosome {ECO:0000250 UniProtKB:Q9WVQ1}. Cell projection, cilium {ECO:0000250 UniProtKB:Q9WVQ1}. Cytoplasm, cytoskeleton, microtubule organizing center, centrosome, centriole {ECO:0000250 UniProtKB:Q9WVQ1}. Photoreceptor inner segment {ECO:0000250 UniProtKB:Q9WVQ1}. Cell projection, cilium, photoreceptor outer segment {ECO:0000250 UniProtKB:Q9WVQ1}. Note=Localized diffusely in the cytoplasm before nerve growth factor (NGF) stimulation Recruited to late endosomes after NGF stimulation. Membrane-associated in synaptosomes (By similarity).
Tissue Location	Specifically expressed in brain.

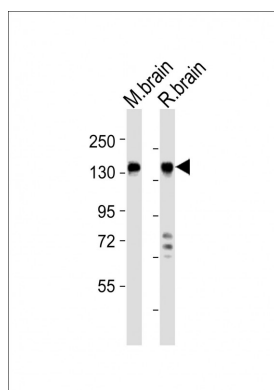
Background

Seems to act as scaffold molecule at synaptic junctions by assembling neurotransmitter receptors and cell adhesion proteins. May play a role in regulating activin-mediated signaling in neuronal cells. Enhances the ability of PTEN to suppress AKT1 activation. Plays a role in nerve growth factor (NGF)-induced recruitment of RAPGEF2 to late endosomes and neurite outgrowth.

References

Wood J.D.,et al.Mol. Cell. Neurosci. 11:149-160(1998).
Ishikawa K.,et al.DNA Res. 5:169-176(1998).
Hillier L.W.,et al.Nature 424:157-164(2003).
Scherer S.W.,et al.Science 300:767-772(2003).
Wu X.,et al.Proc. Natl. Acad. Sci. U.S.A. 97:4233-4238(2000).

Images



All lanes : Anti-MAGI2 Antibody (C-term) at 1:2000 dilution
Lane 1: mouse brain lysates
Lane 2: rat brain lysates
Lysates/proteins at 20 µg per lane. Secondary Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/10000 dilution
Predicted band size : 159 kDa
Blocking/Dilution buffer: 5% NFDM/TBST.