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AIP1 / MAGI2 Antibody (C-Term)

Peptide-affinity purified goat antibody
Catalog # AF2386a

Specification

AIP1 / MAGI2 Antibody (C-Term) - Product Information

Application	**E**
Primary Accession	Q86UL8
Other Accession	NP_036433.2, 9863
Predicted	**Human**
Host	**Goat**
Clonality	**Polyclonal**
Concentration	**0.5 mg/ml**
Isotype	**IgG**
Calculated MW	**158754**

AIP1 / MAGI2 Antibody (C-Term) - 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

Format
0.5 mg/ml in Tris saline, 0.02% sodium azide, pH7.3 with 0.5% bovine serum albumin

Storage
Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

Precautions
AIP1 / MAGI2 Antibody (C-Term) is for research use only and not for use in diagnostic or therapeutic procedures.

AIP1 / MAGI2 Antibody (C-Term) - 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.

AIP1 / MAGI2 Antibody (C-Term) - Protocols

Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

AIP1 / MAGI2 Antibody (C-Term) - Images

AIP1 / MAGI2 Antibody (C-Term) - References

Identification and characterization of a PDZ protein that interacts with activin type II receptors. Shoji H, Tsuchida K, Kishi H, Yamakawa N, Matsuzaki T, Liu Z, Nakamura T, Sugino H. J Biol Chem. 2000 Feb 25;275(8):5485-92. PMID: 10681527