

## AIP1 / MAGI2 Antibody (C-Term)

Peptide-affinity purified goat antibody Catalog # AF2386a

### **Specification**

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

Application

Primary Accession <u>Q86UL8</u>

Other Accession <u>NP\_036433.2</u>, <u>9863</u>

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.

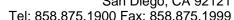
### AIP1 / MAGI2 Antibody (C-Term) - Protein Information

#### 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: <a href="http://www.uniprot.org/citations/10760291" target=" blank">10760291</a>). 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
- <u>Immunofluorescence</u>
- 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. | Biol Chem. 2000 Feb 25;275(8):5485-92. PMID: 10681527