

**AIP1 / MAGI2 Antibody (C-Term)**  
**Peptide-affinity purified goat antibody**  
**Catalog # AF2386a****Specification**

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

Application	E
Primary Accession	<a href="#">Q86UL8</a>
Other Accession	<a href="#">NP_036433.2</a> , <a href="#">9863</a>
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](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [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