

# MAGI-2 Polyclonal Antibody

Catalog # AP70810

## Product Information

Application	WB, IHC-P
Primary Accession	<a href="#">Q86UL8</a>
Reactivity	Human, Mouse, Rat
Host	Rabbit
Clonality	Polyclonal
Calculated MW	158754

## Additional Information

Gene ID	9863
Other Names	MAGI2; ACVRINP1; AIP1; KIAA0705; 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-
Dilution	WB~~Western Blot: 1/500 - 1/2000. Immunohistochemistry: 1/100 - 1/300. ELISA: 1/20000. Not yet tested in other applications. IHC-P~~N/A
Format	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.09% (W/V) sodium azide.
Storage Conditions	-20°C

## 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="#">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.

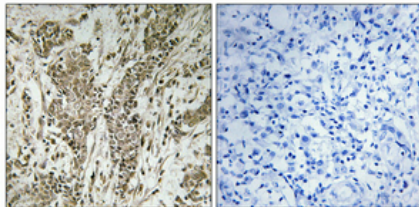
## Background

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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.

## Images

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Immunohistochemical analysis of paraffin-embedded Human breast cancer. Antibody was diluted at 1:100(4°,overnight). High-pressure and temperature Tris-EDTA,pH8.0 was used for antigen retrieval. Negative contrl (right) obtained from antibody was pre-absorbed by immunogen peptide.

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