

Product Name: MAGI-2 Rabbit Polyclonal Antibody**Catalog #: AP Rab13599**

For research use only.

Summary

Description	Rabbit polyclonal Antibody
Host	Rabbit
Application	WB,IHC,ICC/IF,ELISA
Reactivity	Human,Mouse,Rat
Conjugation	Unconjugated
Modification	Unmodified
Isotype	IgG
Clonality	Polyclonal
Form	Liquid
Concentration	1mg/ml
Storage	Aliquot and store at -20°C (valid for 12 months). Avoid freeze/thaw cycles.
Shipping	Ice bags
Buffer	Liquid in PBS containing 50% glycerol, 0.5% protective protein and 0.02% New type preservative N.
Purification	Affinity purification

Application

Dilution Ratio	WB 1:500-1:2000,IHC 1:100-1:300,ICC/IF 1:50-1:200,ELISA 1:10000-1:20000
Molecular Weight	156kDa

Antigen Information

Gene Name	MAGI2
Alternative 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-
Gene ID	9863.0
SwissProt ID	Q86UL8
Immunogen	The antiserum was produced against synthesized peptide derived from human MAGI2. AA range:221-270

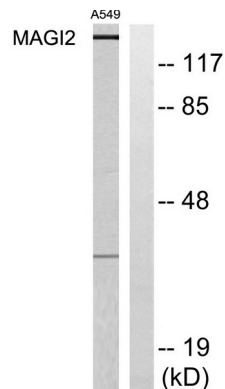
Background

The protein encoded by this gene interacts with atrophin-1. Atrophin-1 contains a polyglutamine repeat, expansion of which is responsible for dentatorubral and pallidoluysian atrophy. This encoded protein is characterized by two WW domains, a guanylate kinase-like domain, and multiple PDZ domains. It has structural similarity to the membrane-associated guanylate kinase homologue (MAGUK) family. [provided by RefSeq, Jul 2008],function: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.,similarity:Belongs to the MAGUK family.,similarity:Contains 1 guanylate kinase-like domain.,similarity:Contains 2 WW domains.,similarity:Contains 6 PDZ (DHR) domains.,subcellular location:Membrane-associated in synaptosomes.,subunit:Interacts via its WW domains with DRPLA. Interacts via its second PDZ domain with PTEN unphosphorylated C-terminus; this interaction diminishes the degradation rate of PTEN (By similarity). Interacts through its guanylate kinase domain with DLGAP1 (By similarity). Interacts through the PDZ domains with GRIN2A, GRID2 and NLGN1 (By similarity). Interacts with CTNND2, CTNNB1, MAGUIN-1, ACVR2A, SMAD2 and SMAD3 (By similarity). Part of a complex consisting of AIP1, ACVR2A, ACVR1B and SMAD3 (By similarity). May interact with HTR2A (By similarity). Interacts with IGSF9, RAPGEF2 and HTR4 (By similarity). Interacts with DDN.,tissue specificity:Specifically expressed in brain.,

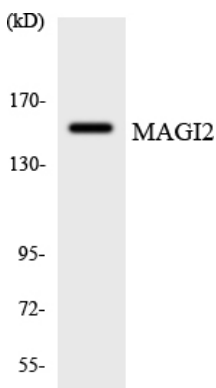
Research Area

Tight junction;

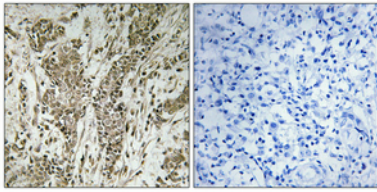
Image Data



Western blot analysis of lysates from A549 cells, using MAGI2 Antibody. The lane on the right is blocked with the synthesized peptide.



Western blot analysis of the lysates from 293 cells using MAGI2 antibody.



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) obtaned from antibody was pre-absorbed by immunogen peptide.