



MAGI-2 Monoclonal Antibody

Catalog No	BYmab-12744
Isotype	IgG
Reactivity	Human;Mouse;Rat
Applications	WB
Gene Name	MAGI2
Protein Name	Membrane-associated guanylate kinase WW and PDZ domain-containing protein 2
Immunogen	The antiserum was produced against synthesized peptide derived from human MAGI2. AA range:221-270
Specificity	MAGI-2 Monoclonal Antibody detects endogenous levels of MAGI-2 protein.
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Source	Monoclonal, Mouse,IgG
Purification	The antibody was affinity-purified from mouse antiserum by affinity-chromatography using epitope-specific immunogen.
Dilution	WB 1:500-2000
Concentration	1 mg/ml
Purity	≥90%
Storage Stability	-20°C/1 year
Synonyms	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-
Observed Band	156kD
Cell Pathway	Cytoplasm . Late endosome . Cell junction, synapse, synaptosome . Cell membrane ; Peripheral membrane protein . 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 Specificity	Specifically expressed in brain.
Function	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

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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

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],

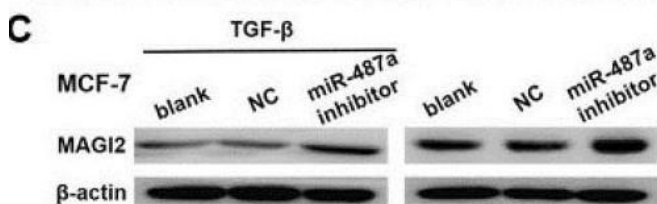
matters needing attention

Avoid repeated freezing and thawing!

Usage suggestions

This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.

Products Images



Western Blot analysis of various cells using MAGI-2 Monoclonal Antibody