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Datasheet for ABIN2177495

anti-MAGI1 antibody (AA 161-260) (Alexa Fluor 555)

Overview

Quantity:	100 µL
Target:	MAGI1
Binding Specificity:	AA 161-260
Reactivity:	Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This MAGI1 antibody is conjugated to Alexa Fluor 555
Application:	Western Blotting (WB), Immunofluorescence (Cultured Cells) (IF (cc)), Immunofluorescence (Paraffin-embedded Sections) (IF (p))

Product Details

Immunogen:	KLH conjugated synthetic peptide derived from human MAGI1
Isotype:	IgG
Cross-Reactivity:	Rat
Predicted Reactivity:	Human, Mouse, Dog, Cow, Sheep, Pig, Chicken, Rabbit
Purification:	Purified by Protein A.

Target Details

Target:	MAGI1
Alternative Name:	MAGI1/IRSP58 (MAGI1 Products)

Target Details

Background: Synonyms: AIP 3, AIP3, Atrophin 1 interacting protein 3, atrophin-1 interacting protein 3, BAI associated protein 2, BAI1 associated protein 1, BAI1-associated protein 1, BAIAP 1, BAIAP1, BAP 1, BAP1, BAP2, Brain specific angiogenesis inhibitor 1 associated protein 2, Fas ligand associated factor 3, FLAF3, Gukmi1, Insulin receptor substrate p53, Insulin receptor substrate p53/p58, Insulin receptor substrate protein of 53 kDa, IRS 58, IRSP53, IRSp53/58, MAGI 1, MAGI-1, MAGI1c, Membrane associated guanylate kinase inverted 1, membrane associated guanylate kinase inverted-1, membrane associated guanylate kinase WW and PDZ domain containing 1, Protein BAP2, TNRC 19, TNRC19, Trinucleotide repeat containing gene 19, Trinucleotide repeat containing gene 19 protein, trinucleotide repeat-containing gene 19, WW domain containing protein 3, WW domain-containing protein 3, WWP 3, WWP3.

Background: The membrane-associated guanylate kinase (MAGUK) proteins are concentrated at the membrane-cytoskeletal interface where they facilitate the assembly of multiprotein complexes on the inner surface of the plasma membrane. Three protein-protein interaction modules characteristically define MAGUK related proteins: the PDZ domain, the SH3 domain and the guanylate kinase (GuK) domain. The closely related MAGUK proteins, MAGI-1, MAGI-2 and MAGI-3 (membrane associated guanylate kinase inverted-1 and 2), likewise contain the GuK domain and five PDZ domains, however, the SH3 domain is replaced with a WW domain. The transcripts of MAGI-1 are alternatively spliced to produce three distinct proteins having unique C-terminals. Two variants, MAGI-1a and MAGI-1b, are associated with the membrane and cytosolic fractions and are primarily expressed in the brain. The third isoform, MAGI-1c, encodes for a nuclear localization signal that localizes MAGI-1c to the nucleus, and it is primarily expressed in the liver and kidney. MAGI-2 and MAGI-3 are localized to the plasma membrane, and they contribute to protein scaffolding by associating with the protein phosphatase PTEN.

Application Details

Application Notes: IF(IHC-P) 1:50-200
IF(IHC-F) 1:50-200
IF(ICC) 1:50-200

Restrictions: For Research Use only

Handling

Format: Liquid

Concentration: 1 µg/µL

Handling

Buffer:	Aqueous buffered solution containing 0.01M TBS (pH 7.4) with 1 % BSA, 0.03 % Proclin300 and 50 % Glycerol.
Preservative:	ProClin
Precaution of Use:	This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE, which should be handled by trained staff only.
Storage:	-20 °C
Storage Comment:	Store at -20°C. Aliquot into multiple vials to avoid repeated freeze-thaw cycles.
Expiry Date:	12 months