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Datasheet for ABIN2177497

**anti-MAGI1 antibody (AA 161-260) (Biotin)**

## Overview

Quantity:	100 µL
Target:	MAGI1
Binding Specificity:	AA 161-260
Reactivity:	Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This MAGI1 antibody is conjugated to Biotin
Application:	Western Blotting (WB), ELISA, Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), Immunohistochemistry (Frozen Sections) (IHC (fro))

## 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 ( <a href="#">MAGI1 Products</a> )

## Target Details

Background:	<p>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.</p> <p>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.</p>
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## Application Details

Application Notes:	WB 1:300-5000 IHC-P 1:200-400 IHC-F 1:100-500
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Restrictions:	For Research Use only
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## 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 for 12 months.
Expiry Date:	12 months