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BAIAP1 (MAGI1)Antibody (C-term) Blocking peptide

Synthetic peptide
Catalog # BP8173a

Specification

BAIAP1 (MAGI1)Antibody (C-term) Blocking peptide - Product Information

Primary Accession	Q96QZ7
Other Accession	NP_004733

BAIAP1 (MAGI1)Antibody (C-term) Blocking peptide - Additional Information

Gene ID 9223

Other Names
Membrane-associated guanylate kinase, WW and PDZ domain-containing protein 1, Atrophin-1-interacting protein 3, AIP-3, BAI1-associated protein 1, BAP-1, Membrane-associated guanylate kinase inverted 1, MAGI-1, Trinucleotide repeat-containing gene 19 protein, WW domain-containing protein 3, WWP3, MAGI1, AIP3, BAIAP1, BAP1, TNRC19

Target/Specificity
The synthetic peptide sequence used to generate the antibody AP8173a was selected from the C-term region of human BAIAP1 . A 10 to 100 fold molar excess to antibody is recommended. Precise conditions should be optimized for a particular assay.

Format
Peptides are lyophilized in a solid powder format. Peptides can be reconstituted in solution using the appropriate buffer as needed.

Storage
Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C.

Precautions
This product is for research use only. Not for use in diagnostic or therapeutic procedures.

BAIAP1 (MAGI1)Antibody (C-term) Blocking peptide - Protein Information

Name MAGI1

Synonyms AIP3, BAIAP1, BAP1, TNRC19

Function
May play a role as scaffolding protein at cell-cell junctions. May regulate acid-induced ASIC3 currents by modulating its expression at the cell surface (By similarity).

Cellular Location
Cell junction, tight junction. Cell membrane; Peripheral membrane protein. Note=Localizes to epithelial cells tight junctions

Tissue Location
Widely expressed with the exception of skeletal muscle. Isoform 1, isoform 2 and isoform 6 are highly expressed in colon, kidney, lung, liver, and pancreas. Isoform 5 is predominantly expressed in brain and heart. Isoform 3 and isoform 4 are highly expressed in pancreas and brain.

BAIAP1 (MAGI1)Antibody (C-term) Blocking peptide - Protocols

Provided below are standard protocols that you may find useful for product applications.

- Blocking Peptides

BAIAP1 (MAGI1)Antibody (C-term) Blocking peptide - Images

BAIAP1 (MAGI1)Antibody (C-term) Blocking peptide - Background

BAIAP1 is a member of the membrane-associated guanylate kinase homologue (MAGUK) family. Characterized by two WW domains, a guanylate kinase domain, and five PDZ domains, this protein interacts with the cytoplasmic region of BAI1. Together, these proteins may play a role in cell adhesion and signal transduction.

BAIAP1 (MAGI1)Antibody (C-term) Blocking peptide - References

Patrie, K.M., et al., J. Biol. Chem. 277(33):30183-30190 (2002).Shiratsuchi, T., et al., Biochem. Biophys. Res. Commun. 247(3):597-604 (1998).Wood, J.D., et al., Mol. Cell. Neurosci. 11(3):149-160 (1998).Margolis, R.L., et al., Hum. Genet. 100(1):114-122 (1997).Pirozzi, G., et al., J. Biol. Chem. 272(23):14611-14616 (1997).