

BAIAP1 (MAGI1)Antibody (C-term)

Purified Rabbit Polyclonal Antibody (Pab)

Catalog # AP8173A

Product Information

Application	WB, IHC-P, E
Primary Accession	Q96QZ7
Other Accession	Q4L1J4 , NP_004733
Reactivity	Human
Predicted	Rat, Mouse, Canine
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Clone Names	RB2066
Calculated MW	164581
Antigen Region	1227-1256

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	This BAIAP1 (MAGI1) antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 1227-1256 amino acids from the C-terminal region of human BAIAP1 (MAGI1).
Dilution	WB~~1:1000 IHC-P~~1:100~500 E~~Use at an assay dependent concentration.
Format	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is prepared by Saturated Ammonium Sulfate (SAS) precipitation followed by dialysis against PBS.
Storage	Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.
Precautions	BAIAP1 (MAGI1)Antibody (C-term) is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

Name	MAGI1
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Synonyms	AIP3, BAIAP1, BAP1, TNRC19
Function	Plays a role in coupling actin fibers to cell junctions in endothelial cells, via its interaction with AMOTL2 and CDH5 (By similarity). 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.

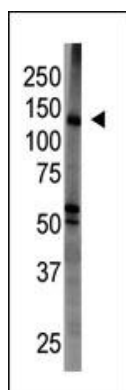
Background

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.

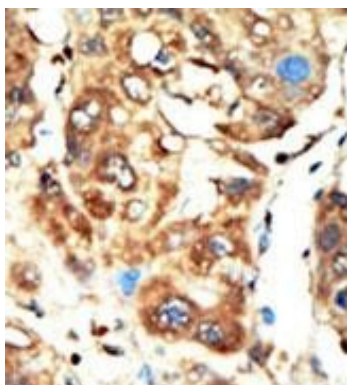
References

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).

Images



The anti-BAIAP1 Pab (Cat. #AP8173a) is used in Western blot to detect BAIAP1 in mouse brain tissue lysate.



Formalin-fixed and paraffin-embedded human cancer tissue reacted with the primary antibody, which was peroxidase-conjugated to the secondary antibody, followed by AEC staining. This data demonstrates the use of this antibody for immunohistochemistry; clinical relevance has not been evaluated. BC = breast carcinoma; HC = hepatocarcinoma.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.