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JAKMIP1 Antibody (Center)

Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP8685c

Product Information

Application	WB, IHC-P, E
Primary Accession	Q96N16
Other Accession	Q3SWS9, Q8BVL9, A6QR54
Reactivity	Human
Predicted	Bovine, Mouse, Rat, Canine, Chicken
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Clone Names	RB22553
Calculated MW	73209
Antigen Region	270-297

Additional Information

Gene ID	152789
Other Names	Janus kinase and microtubule-interacting protein 1, GABA-B receptor-binding protein, Multiple alpha-helices and RNA-linker protein 1, Marlin-1, JAKMIP1, GABABRBP, JAMIP1, MARLIN1
Target/Specificity	This JAKMIP1 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 270-297 amino acids from the Central region of human JAKMIP1.
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 purified through a protein A column, followed by peptide affinity purification.
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	JAKMIP1 Antibody (Center) is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

Name	JAKMIP1
Synonyms	GABABRBP, JAMIP1, MARLIN1

Function	Associates with microtubules and may play a role in the microtubule-dependent transport of the GABA-B receptor. May play a role in JAK1 signaling and regulate microtubule cytoskeleton rearrangements.
Cellular Location	Cytoplasm, cytoskeleton. Membrane; Peripheral membrane protein. Note=Colocalizes with the microtubule network Localizes to the cell body and neurites of hippocampal neurons where it accumulates in granules. Localizes to the tail and to a lower extent to the head of sperm cells
Tissue Location	Predominantly expressed in neural tissues and lymphoid cells (at protein level). Isoform 2, isoform 3 and isoform 4 are specifically expressed in brain and retina. Isoform 1 and isoform 5 are also detected in liver, lung and skeletal muscle. Also detected in testis and to a lower extent spleen and intestine

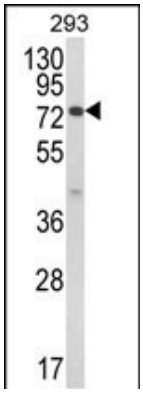
Background

JAKMIP1 associates with microtubules and may play a role in the microtubule-dependent transport of the GABA-B receptor. It may play a role in JAK1 signaling and regulate microtubule cytoskeleton rearrangements.

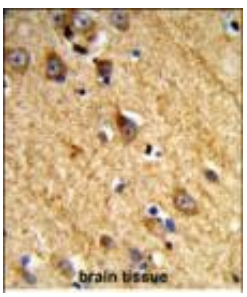
References

Jin,J., et.al., Curr. Biol. 14 (16), 1436-1450 (2004)
Steindler,C., et.al., J. Biol. Chem. 279 (41), 43168-43177 (2004)

Images



Western blot analysis of JAKMIP1 Antibody (Center) (Cat. #AP8685c) in 293 cell line lysates (35ug/lane). JAKMIP1 (arrow) was detected using the purified Pab.



Formalin-fixed and paraffin-embedded human brain tissue reacted with JAKMIP1 Antibody (Center), which was peroxidase-conjugated to the secondary antibody, followed by DAB staining. This data demonstrates the use of this antibody for immunohistochemistry; clinical relevance has not been evaluated.

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