

JAKMIP1 Antibody (Center)

Affinity Purified Rabbit Polyclonal Antibody (Pab)

Catalog # AP8685c

Product Information

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|--------------------------|--------------------------------------------------------------------------|
| Application | WB, IHC-P, E |
| Primary Accession | Q96N16 |
| Other Accession | Q3SW59 , Q8BVL9 , A6QR54 |
| Reactivity | Human |
| Predicted | Bovine, Mouse, Rat |
| Host | Rabbit |
| Clonality | Polyclonal |
| Isotype | Rabbit IgG |
| Clone Names | RB22553 |
| Calculated MW | 73209 |
| Antigen Region | 270-297 |

Additional Information

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|---------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 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

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|-----------------|---------------------------|
| Name | JAKMIP1 |
| Synonyms | GABABRBP, JAMIP1, MARLIN1 |

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| 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 |

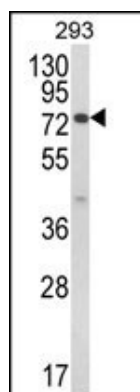
Background

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.

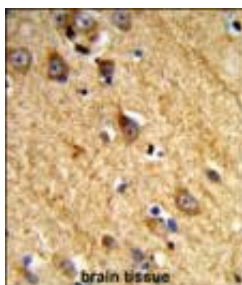
References

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'.