

JAKMIP1 Antibody



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For Research Use Only. Not for Use in Diagnostic Procedures.

Applications:	Reactivity:	Sensitivity:	MW (kDa):	Source/Isotype:	UniProt ID:	Entrez-Gene Id:
W	H M R	Endogenous	80	Rabbit	#Q96N16	152789

Product Usage Information

Application

Western Blotting

Dilution

1:1000

Storage

Supplied in 10 mM sodium HEPES (pH 7.5), 150 mM NaCl, 100 µg/ml BSA and 50% glycerol. Store at -20°C. Do not aliquot the antibody.

Specificity/Sensitivity

JAMIP1 Antibody recognizes endogenous levels of total JAKMIP1 protein.

Source / Purification

Polyclonal antibodies are produced by immunizing animals with a synthetic peptide corresponding to residues near the carboxy terminus of human JAKMIP1 protein. Antibodies are purified by protein A and peptide affinity chromatography.

Background

JAKMIP1, or Janus kinase and microtubule interactin protein 1, localizes in mitrotubules and the plasma membrane, which associates with microtubules and plays a role in migration of pyramidal neurons (1). JAKMIP1 participates in the microtubule-dependent transport of GABA-B receptor (2). It is also linked to autistic-spectrum disorders (3,4). JAKMIP1 may participate in the JAK1 pathway (5).

Background References

- Vidal, R.L. et al. (2012) *Mol Cell Neurosci* 51, 1-11.
- Couve, A. et al. (2004) *J Biol Chem* 279, 13934-43.
- Hedges, D.J. et al. (2012) *Mol Autism* 3, 2.
- Berg, J.M. et al. (2015) *Neuron* 88, 1173-91.
- Steindler, C. et al. (2004) *J Biol Chem* 279, 43168-77.

Species Reactivity

Species reactivity is determined by testing in at least one approved application (e.g., western blot).

Western Blot Buffer

IMPORTANT: For western blots, incubate membrane with diluted primary antibody in 5% w/v BSA, 1X TBS, 0.1% Tween® 20 at 4°C with gentle shaking, overnight.

Applications Key

W: Western Blotting

Cross-Reactivity Key

H: Human **M:** Mouse **R:** Rat

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