

JIP3 / Syd2 / JSAP1 Antibody (N-Term)
Peptide-affinity purified goat antibody
Catalog # AF2338a**Specification**

JIP3 / Syd2 / JSAP1 Antibody (N-Term) - Product Information

Application	IHC
Primary Accession	Q9UPT6
Other Accession	NP_055948.2 , NP_001035529.1 , 23162 , 30957 (mouse)
Reactivity	Mouse
Predicted	Human, Rat, Cow
Host	Goat
Clonality	Polyclonal
Concentration	0.5 mg/ml
Isotype	IgG
Calculated MW	147457

JIP3 / Syd2 / JSAP1 Antibody (N-Term) - Additional Information**Gene ID** 23162**Other Names**

C-Jun-amino-terminal kinase-interacting protein 3, JIP-3, JNK-interacting protein 3, JNK MAP kinase scaffold protein 3, Mitogen-activated protein kinase 8-interacting protein 3, MAPK8IP3, JIP3, KIAA1066

Format

0.5 mg/ml in Tris saline, 0.02% sodium azide, pH7.3 with 0.5% bovine serum albumin

Storage

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

Precautions

JIP3 / Syd2 / JSAP1 Antibody (N-Term) is for research use only and not for use in diagnostic or therapeutic procedures.

JIP3 / Syd2 / JSAP1 Antibody (N-Term) - Protein Information**Name** MAPK8IP3**Synonyms** JIP3, KIAA1066**Function**

The JNK-interacting protein (JIP) group of scaffold proteins selectively mediates JNK signaling by aggregating specific components of the MAPK cascade to form a functional JNK signaling module

(PubMed:12189133). May function as a regulator of vesicle transport, through interactions with the JNK-signaling components and motor proteins (By similarity). Promotes neuronal axon elongation in a kinesin- and JNK-dependent manner. Activates cofilin at axon tips via local activation of JNK, thereby regulating filopodial dynamics and enhancing axon elongation. Its binding to kinesin heavy chains (KHC), promotes kinesin-1 motility along microtubules and is essential for axon elongation and regeneration. Regulates cortical neuronal migration by mediating NTRK2/TRKB anterograde axonal transport during brain development (By similarity). Acts as an adapter that bridges the interaction between NTRK2/TRKB and KLC1 and drives NTRK2/TRKB axonal but not dendritic anterograde transport, which is essential for subsequent BDNF-triggered signaling and filopodia formation (PubMed:21775604).

Cellular Location

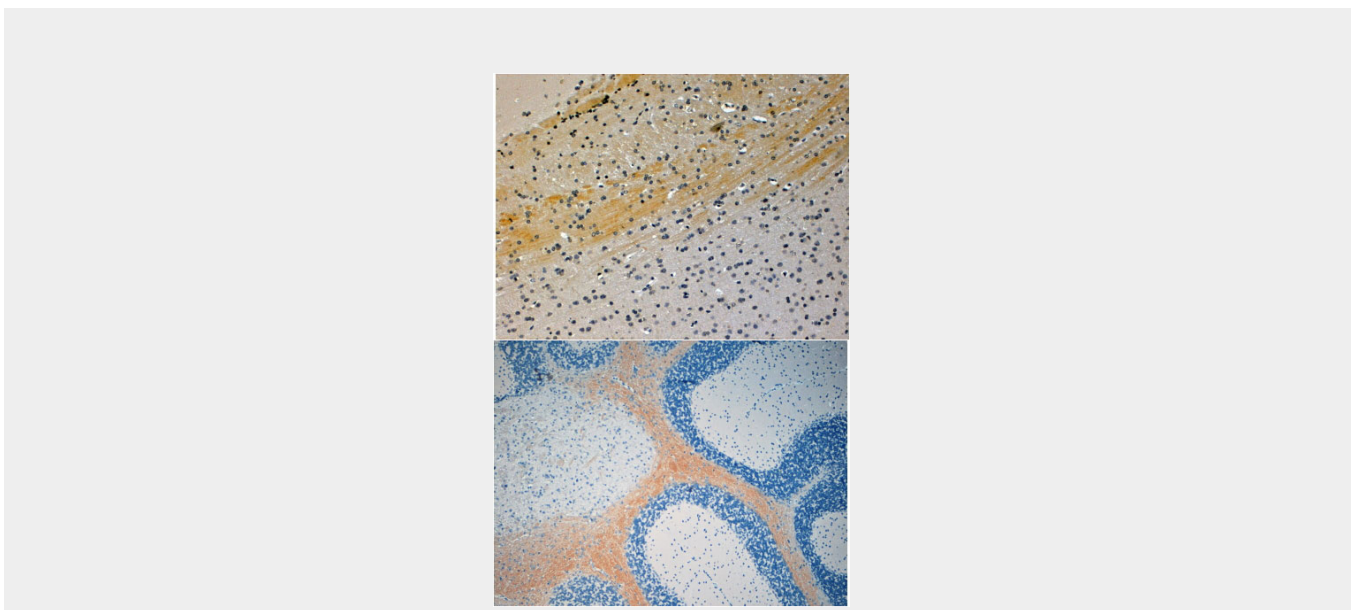
Cytoplasm {ECO:0000250|UniProtKB:Q9ESN9}. Golgi apparatus {ECO:0000250|UniProtKB:Q9ESN9}. Cytoplasmic vesicle {ECO:0000250|UniProtKB:Q9ESN9}. Cell projection, growth cone {ECO:0000250|UniProtKB:Q9ESN9}. Cell projection, axon {ECO:0000250|UniProtKB:E9PSK7}. Cell projection, dendrite {ECO:0000250|UniProtKB:E9PSK7}. Cytoplasm, perinuclear region {ECO:0000250|UniProtKB:E9PSK7}. Note=Localized in the soma and growth cones of differentiated neurites and the Golgi and vesicles of the early secretory compartment of epithelial cells. KIF5A/B/C-mediated transportation to axon tips is essential for its function in enhancing neuronal axon elongation. {ECO:0000250|UniProtKB:E9PSK7, ECO:0000250|UniProtKB:Q9ESN9}

JIP3 / Syd2 / JSAP1 Antibody (N-Term) - Protocols

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

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

JIP3 / Syd2 / JSAP1 Antibody (N-Term) - Images



AF2338a (4 µg/ml) staining of paraffin embedded Mouse Brain. Steamed antigen retrieval with citrate buffer pH 6, HRP-staining.

JIP3 / Syd2 / JSAP1 Antibody (N-Term) - Background

This antibody is expected to recognise both reported Human isoforms of this protein (as represented by NP_055948.2 and NP_001035529.1).

JIP3 / Syd2 / JSAP1 Antibody (N-Term) - References

Interaction of a mitogen-activated protein kinase signaling module with the neuronal protein JIP3. Kelkar N, Gupta S, Dickens M, Davis RJ. Mol Cell Biol. 2000 Feb;20(3):1030-43. PMID: 10629060