

JLP Antibody
Rabbit Polyclonal Antibody
Catalog # ABV10558**Specification**

JLP Antibody - Product Information

Application	WB, IP
Primary Accession	O60271
Reactivity	Human, Mouse
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Calculated MW	146205

JLP Antibody - Additional Information**Gene ID** 9043

Application & Usage	Western blotting (1:500 - 1:2500) and Immunoprecipitation. HeLa nuclear extract can be used as a positive control. However, the optimal concentrations should be determined individually. The antibody recognizes the JLP of human and mouse origins. Reactivity to other species has not been tested.
---------------------	---

Other Names

JLP, JLP1, JLP-1, JNK-associated leucine zipper protein 1, SPAG9

Target/Specificity

JLP

Antibody Form

Liquid

Appearance

Colorless liquid

Formulation

100 µl affinity purified rabbit polyclonal antibody in phosphate-buffered saline (PBS) containing 30% glycerol, 1% BSA and 0.02% thimerosal.

Handling

The antibody solution should be gently mixed before use.

Reconstitution & Storage

-20 °C

Background Descriptions

Precautions

JLP Antibody is for research use only and not for use in diagnostic or therapeutic procedures.

JLP Antibody - Protein Information

Name SPAG9 ([HGNC:14524](#))

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:14743216). Regulates lysosomal positioning by acting as an adapter protein which links PIP4P1-positive lysosomes to the dynein- dynactin complex (PubMed:29146937). Assists PIKFYVE selective functionality in microtubule-based endosome-to-TGN trafficking (By similarity).

Cellular Location

Cytoplasm {ECO:0000250|UniProtKB:Q58A65}. Cytoplasm, perinuclear region {ECO:0000250|UniProtKB:Q58A65}. Lysosome membrane. Note=Perinuclear distribution in response to stress signals such as UV radiation {ECO:0000250|UniProtKB:Q58A65}

Tissue Location

Expressed only in testis on the round spermatids of stage I, II and II. Absent in spermatogonia and spermatocyte [Isoform 3]: Expressed in testis.

JLP Antibody - 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](#)

JLP Antibody - Images**JLP Antibody - Background**

JLP (JNK-interacting leucine zipper protein) has been identified as a scaffolding protein that functions to position mitogen-activated protein kinases (MAPKs) into specific signaling modules so that successive phosphorylation events of the MAPK pathway can occur. JLP is also known as sperm associated antigen 9 (SPAG9) due to its abundant expression in testicular haploid germ cells.