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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 Cytomety
- 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.