

JLP (SPAG9) Antibody (Center)

Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP7287c

Specification

JLP (SPAG9) Antibody (Center) - Product Information

Application IHC-P, WB,E **Primary Accession** 060271 Other Accession O58A65 Reactivity Human Predicted Mouse Host **Rabbit** Clonality **Polyclonal** Isotype Rabbit IgG Calculated MW 146205 Antigen Region 603-632

JLP (SPAG9) Antibody (Center) - Additional Information

Gene ID 9043

Other Names

C-Jun-amino-terminal kinase-interacting protein 4, JIP-4, JNK-interacting protein 4, Cancer/testis antigen 89, CT89, Human lung cancer oncogene 6 protein, HLC-6, JNK-associated leucine-zipper protein, JLP, Mitogen-activated protein kinase 8-interacting protein 4, Proliferation-inducing protein 6, Protein highly expressed in testis, PHET, Sperm surface protein, Sperm-associated antigen 9, Sperm-specific protein, Sunday driver 1, SPAG9, HSS, KIAA0516, MAPK8IP4, SYD1

Target/Specificity

This JLP (SPAG9) antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 603-632 amino acids from the Central region of human JLP (SPAG9).

Dilution

IHC-P~~1:10~50 WB~~1:1000

E~~Use at an assay dependent concentration.

Format

Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is prepared by Saturated Ammonium Sulfate (SAS) precipitation followed by dialysis against PBS.

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

JLP (SPAG9) Antibody (Center) is for research use only and not for use in diagnostic or therapeutic procedures.



JLP (SPAG9) Antibody (Center) - Protein Information

Name SPAG9 (<u>HGNC:14524</u>)

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

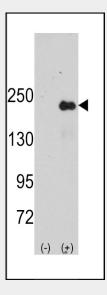
Expressed only in testis on the round spermatids of stage I, II and II. Absent in spermatogonia and spermatocyte [Isoform 3]: Expressed in testis.

JLP (SPAG9) Antibody (Center) - Protocols

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

- Western Blot
- Blocking Peptides
- Dot Blot
- <u>Immunohistochemistry</u>
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

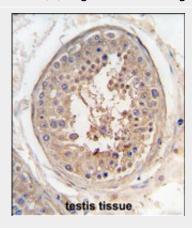
JLP (SPAG9) Antibody (Center) - Images



Western blot analysis of SPAG9 (arrow) using rabbit polyclonal SPAG9 Antibody (Center)



(Cat.#AP7287c). 293 cell lysates (2 ug/lane) either nontransfected (Lane 1) or transiently transfected with the SPAG9 gene (Lane 2) (Origene Technologies).



Formalin-fixed and paraffin-embedded human testis tissue reacted with SPAG9 antibody (Center) (Cat.#AP7287c), 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.

JLP (SPAG9) Antibody (Center) - Background

SPAG9, which is abundantly expressed in testicular haploid germ cells, is recognized by sperm-agglutinating antibodies and implicated in infertility.

JLP (SPAG9) Antibody (Center) - References

Rana,R., Hum. Reprod. 21 (11), 2894-2900 (2006) Rana,R., Biochem. Biophys. Res. Commun. 340 (1), 158-164 (2006) Jagadish,N., Keio J Med 54 (2), 66-71 (2005)