

**JLP (SPAG9) Antibody (Center)**  
**Purified Rabbit Polyclonal Antibody (Pab)**  
**Catalog # AP7287c****Specification**

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**JLP (SPAG9) Antibody (Center) - Product Information**

Application	<b>WB, IHC-P,E</b>
Primary Accession	<a href="#">O60271</a>
Other Accession	<a href="#">Q58A65</a>
Reactivity	<b>Human</b>
Predicted	<b>Mouse</b>
Host	<b>Rabbit</b>
Clonality	<b>Polyclonal</b>
Isotype	<b>Rabbit IgG</b>
Calculated MW	<b>146205</b>
Antigen Region	<b>603-632</b>

**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**

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

**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 ([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**

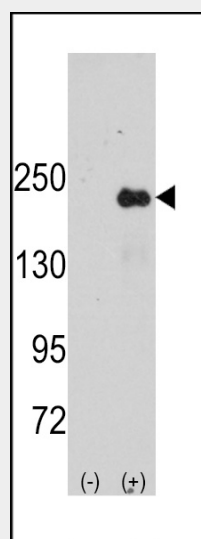
Expressed only in testis on the round spermatids of stage I, II and II. Absent in spermatogonia and spermatocyte [Isoform 3]: Expressed in testis.

**JLP (SPAG9) Antibody (Center) - Protocols**

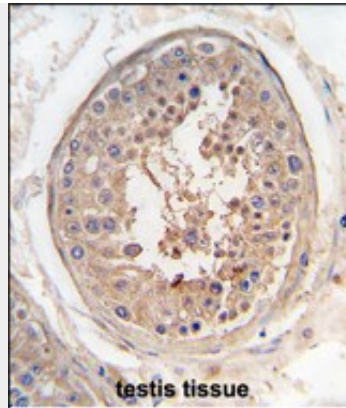
Provided below are standard protocols that you may find useful for product applications.

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

**JLP (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) (Origen 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)