

# JLP (SPAG9) Antibody (N-term)

Purified Rabbit Polyclonal Antibody (Pab)

Catalog # AP7287a

## Product Information

---

<b>Application</b>	IHC-P-Leica, WB, E
<b>Primary Accession</b>	<a href="#">O60271</a>
<b>Other Accession</b>	<a href="#">Q58A65</a>
<b>Reactivity</b>	Human, Mouse
<b>Predicted</b>	Mouse
<b>Host</b>	Rabbit
<b>Clonality</b>	Polyclonal
<b>Isotype</b>	Rabbit IgG
<b>Clone Names</b>	RB14844
<b>Calculated MW</b>	146205
<b>Antigen Region</b>	91-120

## Additional Information

---

<b>Gene ID</b>	9043
<b>Other Names</b>	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
<b>Target/Specificity</b>	This JLP (SPAG9) antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 91-120 amino acids from the N-terminal region of human JLP (SPAG9).
<b>Dilution</b>	IHC-P-Leica~~1:250 WB~~1:1000 E~~Use at an assay dependent concentration.
<b>Format</b>	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.
<b>Storage</b>	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.
<b>Precautions</b>	JLP (SPAG9) Antibody (N-term) is for research use only and not for use in diagnostic or therapeutic procedures.

## Protein Information

---

<b>Name</b>	SPAG9 ( <a href="#">HGNC:14524</a> )
<b>Function</b>	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: <a href="#">14743216</a> ). Regulates lysosomal positioning by acting as an adapter protein which links PIP4P1-positive lysosomes to the dynein- dynactin complex (PubMed: <a href="#">29146937</a> ). Assists PIKFYVE selective functionality in microtubule-based endosome-to-TGN trafficking (By similarity).
<b>Cellular Location</b>	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}
<b>Tissue Location</b>	Expressed only in testis on the round spermatids of stage I, II and II. Absent in spermatogonia and spermatocyte [Isoform 3]: Expressed in testis.

## Background

---

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

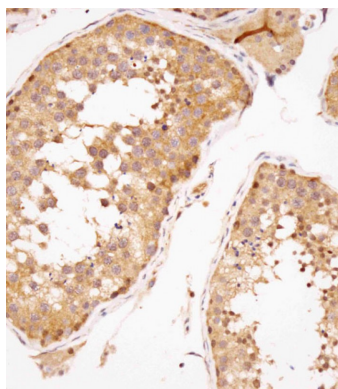
## References

---

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)

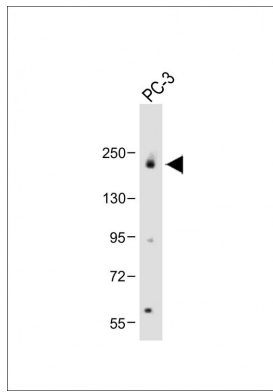
## Images

---



Immunohistochemical analysis of AP7287a on paraffin-embedded human testis tissue was performed on the Leica® BOND RXm. Tissue was fixed with formaldehyde at room temperature. Heat induced epitope retrieval was performed by EDTA buffer (pH9. 0). Samples were incubated with primary antibody(1:250) for 15min at room temperature. Leica Bond Polymer Refine Detection was used as the secondary antibody.

Anti-JLP (SPAG9) Antibody (N-term) at 1:2000 dilution + PC-3 whole cell lysate Lysates/proteins at 20 µg per lane. Secondary Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/10000 dilution. Predicted band size : 146 kDa Blocking/Dilution buffer: 5% NFDM/TBST.



Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.