

JLP (SPAG9) Antibody (Center) Blocking peptide
Synthetic peptide
Catalog # BP7287c**Specification**

JLP (SPAG9) Antibody (Center) Blocking peptide - Product InformationPrimary Accession [O60271](#)**JLP (SPAG9) Antibody (Center) Blocking peptide - 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

The synthetic peptide sequence used to generate the antibody [AP7287c](/product/products/AP7287c) was selected from the Center region of human SPAG9. A 10 to 100 fold molar excess to antibody is recommended. Precise conditions should be optimized for a particular assay.

Format

Peptides are lyophilized in a solid powder format. Peptides can be reconstituted in solution using the appropriate buffer as needed.

Storage

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C.

Precautions

This product is for research use only. Not for use in diagnostic or therapeutic procedures.

JLP (SPAG9) Antibody (Center) Blocking peptide - Protein InformationName 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](http://www.uniprot.org/citations/14743216)). Regulates lysosomal positioning by acting as an adapter protein which links PIP4P1-positive lysosomes to the dynein- dynactin complex (PubMed: [29146937](http://www.uniprot.org/citations/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) Blocking peptide - Protocols

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

- [Blocking Peptides](#)

JLP (SPAG9) Antibody (Center) Blocking peptide - Images**JLP (SPAG9) Antibody (Center) Blocking peptide - 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) Blocking peptide - 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)