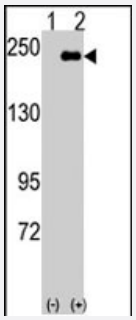
SPAG9 polyclonal antibody

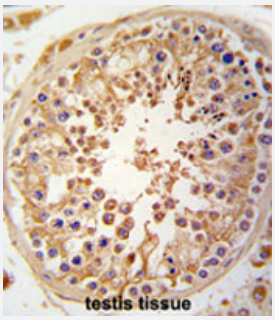
Catalog # PAB2861 Size 400 uL

Applications



Western Blot (Transfected lysate)

Western blot analysis of SPAG9 polyclonal antibody (Cat # PAB2861).293 cell lysates (2 ug/lane) either nontransfected (Lane 1) or transiently transfected with the SPAG9 (N-term) gene (Lane 2) (Origene Technologies).



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

Formalin-fixed and paraffin-embedded human testisreacted with SPAG9 polyclonal antibody (Cat # PAB2861), which was peroxidase-conjugated to the secondary antibody, followed by AEC staining.
This data demonstrates the use of this antibody for immunohistochemistry; clinical relevance has not been evaluated.

Specification

Product Description	Rabbit polyclonal antibody raised against synthetic peptide of SPAG9.
Immunogen	A synthetic peptide (conjugated with KLH) corresponding to N-terminus of human SPAG9.
Host	Rabbit
Reactivity	Human
Form	Liquid
Purification	Ammonium sulfate precipitation

Recommend Usage	Western Blot (1:1000) Immunohistochemistry (1:10-50) The optimal working dilution should be determined by the end user.
Storage Buffer	In PBS (0.09% sodium azide)
Storage Instruction	Store at 4°C. For long term storage store at -20°C. Aliquot to avoid repeated freezing and thawing.
Note	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which shoul d be handled by trained staff only.

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Gene Info — SPAG9

Entrez GeneID	9043
Protein Accession#	NP_003962;O60271
Gene Name	SPAG9
Gene Alias	FLJ13450, FLJ14006, FLJ26141, FLJ34602, HLC4, JLP, KIAA0516, MGC117291, MGC14967, MGC74461, PHET, PIG6
Gene Description	sperm associated antigen 9
Omim ID	605430
Gene Ontology	Hyperlink

Gene Summary	Extracellular signals are transduced into cells through mitogen-activated protein kinases. The structural organization of these kinases into specific signaling domains is facilitated by scaffolding proteins involved in closely tethering different kinases so that successive phosphorylation events can occur. The protein encoded by this gene is a scaffolding protein that brings together mitogen-activated protein kinases and their transcription factor targets for the activation of specific signaling pathways. This gene which is abundantly expressed in testicular haploid germ cells encodes a protein that is recognized by sperm-agglutinating antibodies and implicated in infertility. Alternatively spliced transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq
Other Designations	HLC-4 protein|JNK interacting protein|JNK-associated leucine-zipper protein|JNK/SAPK-associated protein|Max-binding protein|c-Jun NH2-terminal kinase-associated leucine zipper protein|lung cancer oncogene 4|proliferation-inducing gene 6|sperm specific pro

Publication Reference

- Immunogenicity study of recombinant human sperm-associated antigen 9 in bonnet macaque (Macaca radiata).

  Rana R, Jagadish N, Garg M, Mishra D, Dahiya N, Chaurasiya D, Suri A.

  Human Reproduction 2006 Nov; 21(11):2894.

  Application: IF, WB-Ce, Macaque, Human, Sperm

- Small interference RNA-mediated knockdown of sperm associated antigen 9 having structural homology with c-Jun N-terminal kinase-interacting protein.

  Rana R, Jagadish N, Garg M, Mishra D, Dahiya N, Chaurasiya D, Suri A.

  Biochemical and Biophysical Research Communications 2006 Feb; 340(1):158.

  Application: IF, WB, Monkey, COS-1 cells

- Sperm associated antigen 9 (SPAG9): a new member of c-Jun NH2 -terminal kinase (JNK) interacting protein exclusively expressed in testis.

  Jagadish N, Rana R, Mishra D, Kumar M, Suri A.

  The Keio Journal of Medicine 2005 Jun; 54(2):66.

  Application: IHC, WB, Human, Mouse, Testis