

Rabbit JLP/SPAG9 Polyclonal Antibody | anti-SPAG9 antibody

Anti-JLP/SPAG9 Antibody Picoband

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA126252	Rabbit	Human, Mouse, Rat	Western Blot, Immunocytochemistry, Immunofluorescence, Flow Cytometry, Functional Assay, ELISA

PRODUCT SYNONYMS

JLP/SPAG9; Polyclonal Antibody; Anti-JLP/SPAG9 Antibody Picoband; anti-SPAG9 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	Rabbit IgG
Purity/Purification	Immunogen affinity purified.
Form/Format	Lyophilized Each vial contains 4 mg Trehalose, 0.9 mg NaCl, 0.2 mg Na2HPO4.
Concentration	Adding 0.2 ml of distilled water will yield a concentration of 500 ug/ml. (varies by lot)
Applicable Applications for anti-SPAG9 antibody	WB (Western Blot), ICC (Immunocytochemistry), IF (Immunofluorescence), FCM/FACS (Flow Cytometry), ELISA
Reconstitution	Adding 0.2 ml of distilled water will yield a concentration of 500 ug/ml.
Immunogen	E Coli-derived human JLP/SPAG9 recombinant protein (Position: A281-K964).
Preparation and Storage	Store at -20 degree C for one year from date of receipt. After reconstitution, at 4 degree C for one month. It can also be aliquotted and stored frozen at -20 degree C for six months. Avoid repeated freezing and thawing.

IMAGES



FCM/FACS (Flow Cytometry)

Figure 3. Flow Cytometry analysis of HL-60 cells using anti-JLP/SPAG9 antibody (AAA126252). Overlay histogram showing HL-60 cells stained with AAA126252 (Blue line). The cells were blocked with 10% normal goat serum. And then incubated with rabbit anti-JLP/SPAG9 Antibody (AAA126252, 1 ug/1x10⁶ cells) for 30 min at 20 degree C. DyLight488 conjugated goat anti-rabbit IgG was used as secondary antibody for 30 minutes at 20 degree C. Isotype control antibody (Green line) was rabbit IgG (1 ug/1x10⁶) used under the same conditions. Unlabelled sample (Red line) was also used as a control.



IF (Immunofluorescence)

Figure 2. IF analysis of JLP/SPAG9 using anti-JLP/SPAG9 antibody (AAA126252). JLP/SPAG9 was detected in an immunocytochemical section of A431 cells. Enzyme antigen retrieval was performed using IHC enzyme antigen retrieval reagent (AR0022) for 15 mins. The cells were blocked with 10% goat serum. And then incubated with 5 ug/mL rabbit anti-JLP/SPAG9 Antibody (AAA126252) overnight at 4 degree C. DyLight594 Conjugated Goat Anti-Rabbit IgG (BA1142) was used as secondary antibody at 1:100 dilution and incubated for 30 minutes at 37 degree C. The section was counterstained with DAPI. Visualize using a fluorescence microscope and filter sets appropriate for the label used.



WB (Western Blot)

Figure 1. Western blot analysis of JLP/SPAG9 using anti-JLP/SPAG9 antibody (AAA126252). Electrophoresis was performed on a 5-20% SDS-PAGE gel at 70V (Stacking gel)/90V (Resolving gel) for 2-3 hours. The sample well of each lane was loaded with 30 ug of sample under reducing conditions. Lane 1: human Hela whole cell lysates, Lane 2: human PC-3 whole cell lysates, Lane 3: rat testis tissue lysates, Lane 4: mouse testis tissue lysates. After electrophoresis, proteins were transferred to a nitrocellulose membrane at 150 mA for 50-90 minutes. Blocked the membrane with 5% non-fat milk/TBS for 1.5 hour at RT. The membrane was incubated with rabbit anti-JLP/SPAG9 antigen affinity purified polyclonal antibody (#AAA126252) at 0.5 ug/mL overnight at 4 degree C, then washed with TBS-0.1% Tween 3 times with 5 minutes each and probed with a goat anti-rabbit IgG-HRP secondary antibody at a dilution of 1:5000 for 1.5 hour at RT. The signal is developed using an Enhanced Chemiluminescent detection (ECL) kit with Tanon 5200 system. A specific band was detected for JLP/SPAG9 at approximately 190 kDa. The expected band size for JLP/SPAG9 is at 190 kDa.

ADDITIONAL INFORMATION

Related Product Information for anti-SPAG9 antibody	C-jun-amino-terminal kinase-interacting protein 4 is a scaffold protein that in humans is encoded by the SPAG9 gene. This gene encodes a member of the cancer testis antigen gene family. The encoded protein functions as a scaffold protein that structurally organizes mitogen-activated protein kinases and mediates c-Jun-terminal kinase signaling. This protein also binds to kinesin-1 and may be involved in microtubule-based membrane transport. This protein may play a role in tumor growth and development. Alternate splicing results in multiple transcript variants.
Product Categories/Family for anti-SPAG9 antibody	Primary Antibodies, Rabbit Polyclonal Antibodies

NCBI AND UNIPROT INFORMATION

NCBI GI #	158253415
NCBI GeneID	9043
UniProt Accession #	O60271; O60905; Q3KQU8; Q3MKM7; Q86WC7; Q86WC8; Q8IZX7; Q96II0; Q9H811; A6H8U5; A8MSX0; B4DHH2
Molecular Weight	145,135 Da
NCBI Official Full Name	SPAG9 protein
NCBI Official Synonym Full Names	sperm associated antigen 9
NCBI Official Symbol	SPAG9
NCBI Official Synonym Symbols	JLP; CT89; HLC4; HLC6; JIP4; PHET; PIG6; HLC-6; JIP-4
NCBI Protein Information	C-Jun-amino-terminal kinase-interacting protein 4
UniProt Protein Name	C-Jun-amino-terminal kinase-interacting protein 4
UniProt Gene Name	SPAG9
UniProt Synonym Gene Names	HSS; KIAA0516; MAPK8IP4; SYD1; JIP-4; JNK-interacting protein 4; CT89; HLC-6; JLP; PHET

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.