

Rabbit anti-Human SPOCK3 Polyclonal Antibody | anti-SPOCK3 antibody

Anti-SPOCK3 Antibody Picoband

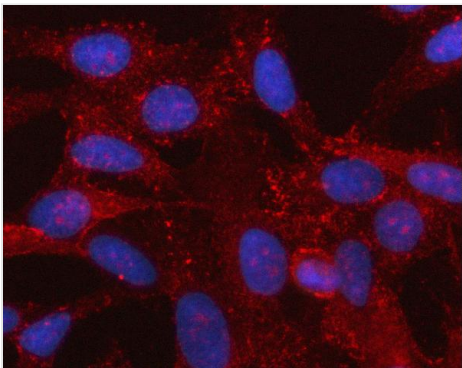
CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA127164	Rabbit	Human	ELISA, Immunofluorescence, Immunocytochemistry, Western Blot

PRODUCT SYNONYMS

SPOCK3; Polyclonal Antibody; Anti-SPOCK3 Antibody Picoband; Glutamate decarboxylase 2; B and T lymphocyte associated; B- and T-lymphocyte attenuator; B- and T-lymphocyte-associated protein; CD272; BTLA; anti-SPOCK3 antibody

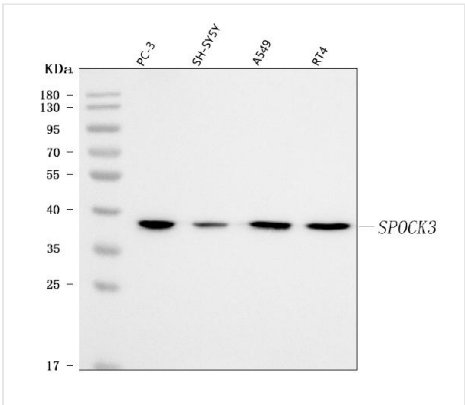
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Isotype	Rabbit IgG
Specificity	Wide tissue distribution (highest in the pancreas and very low in brain). Closely associated with the basal layer of cells in epithelia and the endothelium of blood vessel walls.
Purity/Purification	Immunogen affinity purified.
Form/Format	Lyophilized. Each vial contains 4 mg Trehalose, 0.9 mg NaCl, 0.2 mg Na ₂ HPO ₄ .
Applicable Applications for anti-SPOCK3 antibody	ELISA, IF (Immunofluorescence), ICC (Immunocytochemistry), WB (Western Blot)
Immunogen	E coli-derived human SPOCK3 recombinant protein (Position: Q104-H396).
Subcellular Localization	Membrane
Reconstitution	Adding 0.2 ml of distilled water will yield a concentration of 500ug/ml.
Cross Reactivity	No cross-reactivity with other proteins.
Protein Function	Lymphocyte inhibitory receptor which inhibits lymphocytes during immune response.
Preparation and Storage	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.



IF (Immunofluorescence)

Figure 2. IF analysis of SPOCK3 using anti-SPOCK3 antibody (AAA127164).SPOCK3 was detected in an immunocytochemical section of HeLa cells. Enzyme antigen retrieval was performed using IHC enzyme antigen retrieval reagent for 15 mins. The cells were blocked with 10% goat serum. And then incubated with 5ug/mL rabbit anti-SPOCK3 Antibody (AAA127164) overnight at 4 degree C. Cy3 Conjugated Goat Anti-Rabbit IgG (BA1032) was used as secondary antibody at 1:500 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 SPOCK3 using anti-SPOCK3 antibody (AAA127164).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 PC-3 whole cell lysates,Lane 2: human SH-SY5Y whole cell lysates,Lane 3: human A549 whole cell lysates,Lane 4: human RT4 whole cell 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-SPOCK3 antigen affinity purified polyclonal antibody (#AAA127164) at 0.5ug/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 SPOCK3 at approximately 57 kDa. The expected band size for SPOCK3 is at 57 kDa.

ADDITIONAL INFORMATION

Related Product Information for anti-SPOCK3 antibody	The brand Picoband indicates this is a premium antibody that guarantees superior quality, high affinity, and strong signals with minimal background in Western blot applications. Only our best-performing antibodies are designated as Picoband, ensuring unmatched performance.
Product Categories/Family for anti-SPOCK3 antibody	Primary Antibodies; Adaptive Immunity; Immunology; T Cells
References	1. Nakada, M., Yamada, A., Takino, T., Miyamori, H., Takahashi, T., Yamashita, J., Sato, H. Suppression of membrane-type 1 matrix metalloproteinase (MMP)-mediated MMP-2 activation and tumor invasion by testican 3 and its splicing variant gene product, N-Tes. Cancer Res. 61: 8896-8902, 2001.2. Vannahme, C., Schubel, S., Herud, M., Gosling, S., Hulsmann, H., Paulsson, M., Hartmann, U., Maurer, P. Molecular cloning of testican-2: defining a novel calcium-binding proteoglycan family expressed in brain. J. Neurochem. 73: 12-20, 1999.

NCBI AND UNIPROT INFORMATION

NCBI GI #	93141003
NCBI GeneID	50859
NCBI Accession #	NP_001035249.1
NCBI GenBank Nucleotide #	NM_001040159.1
UniProt Accession #	Q9BQ16; O75705; Q6UW53; B2R7M7; B3KR67; B4DGK5; B4DHB4; B4DHV3; B4DI46; B4DJY3; E7EP61; F5H099
Molecular Weight	49,429 Da
NCBI Official Full Name	testican-3 isoform 1
NCBI Official Synonym Full Names	sparc/osteonectin, cwcv and kazal-like domains proteoglycan (testican) 3
NCBI Official Symbol	SPOCK3

NCBI Official Synonym Symbols	TES-3; TICN3; HSAJ1454
NCBI Protein Information	testican-3
UniProt Protein Name	Testican-3
UniProt Gene Name	SPOCK3
UniProt Synonym Gene Names	TICN3; UNQ409/PRO771
UniProt Entry Name	TICN3_HUMAN

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.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/spock3-antibody-immunofluorescence-immunocytochemistry-western-blot-elisa/127164>