

Rabbit anti-Human TRPS1 Polyclonal Antibody | anti-TRPS1 antibody

Anti-TRPS1 Antibody Picoband

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA126214	Rabbit	Human	ELISA, Flow Cytometry, Functional Assay, Immunofluorescence, Immunocytochemistry, Immunohistochemistry, Western Blot

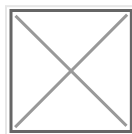
PRODUCT SYNONYMS

TRPS1; Polyclonal Antibody; Anti-TRPS1 Antibody Picoband; anti-TRPS1 antibody

PRODUCT SPECIFICATIONS

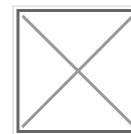
Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Isotype	Rabbit IgG
Purity/Purification	Immunogen affinity purified.
Form/Format	Lyophilized Each vial contains 4 mg Trehalose, 0.9 mg NaCl, 0.2 mg Na ₂ HPO ₄ .
Concentration	Adding 0.2 ml of distilled water will yield a concentration of 500 ug/ml. (varies by lot)
Applicable Applications for anti-TRPS1 antibody	ELISA, FCM/FACS (Flow Cytometry), IF (Immunofluorescence), ICC (Immunocytochemistry), IHC (Immunohistochemistry), WB (Western Blot)
Reconstitution	Adding 0.2 ml of distilled water will yield a concentration of 500 ug/ml.
Immunogen	E Coli-derived human TRPS1 recombinant protein (Position: H353-D1257).
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 4. Flow Cytometry analysis of U2OS cells using anti-TRPS1 antibody (AAA126214).Overlay histogram showing U2OS cells stained with AAA126214 (Blue line). The cells were blocked with 10% normal goat serum. And then incubated with rabbit anti-TRPS1 Antibody (AAA126214, 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.



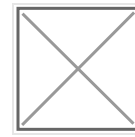
IF (Immunofluorescence)

Figure 3. IF analysis of TRPS1 using anti-TRPS1 antibody (AAA126214) and anti-Tubulin Alpha antibody (M03989-3).TRPS1 was detected in immunocytochemical section of MCF-7 cell. 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-TRPS1 Antibody (AAA126214) and mouse anti-Tubulin Alpha antibody (M03989-3) overnight at 4 degree C. DyLight488 Conjugated Goat Anti-Rabbit IgG and DyLight594 Conjugated Goat Anti-Mouse IgG (BA1141) were 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.



IHC (Immunohistochemistry)

Figure 2. IHC analysis of TRPS1 using anti-TRPS1 antibody (AAA126214). TRPS1 was detected in a paraffin-embedded section of human breast cancer tissue. Heat mediated antigen retrieval was performed in EDTA buffer (pH 8.0, epitope retrieval solution). The tissue section was blocked with 10% goat serum. The tissue section was then incubated with 2 ug/ml rabbit anti-TRPS1 Antibody (AAA126214) overnight at 4 degree C. Peroxidase Conjugated Goat Anti-rabbit IgG was used as secondary antibody and incubated for 30 minutes at 37 degree C. The tissue section was developed using HRP Conjugated Rabbit IgG Super Vision Assay Kit with DAB as the chromogen.



WB (Western Blot)

Figure 1. Western blot analysis of TRPS1 using anti-TRPS1 antibody (AAA126214). 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 MCF-7 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-TRPS1 antigen affinity purified polyclonal antibody (#AAA126214) 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 TRPS1 at approximately 150 kDa. The expected band size for TRPS1 is at 142 kDa.

ADDITIONAL INFORMATION

Related Product Information for anti-TRPS1 antibody	Zinc finger transcription factor Trps1 is a protein that in humans is encoded by the TRPS1 gene. This gene encodes a transcription factor that represses GATA-regulated genes and binds to a dynein light chain protein. Binding of the encoded protein to the dynein light chain protein affects binding to GATA consensus sequences and suppresses its transcriptional activity. Defects in this gene are a cause of tricho-rhino-phalangeal syndrome (TRPS) types I-III.
Product Categories/Family for anti-TRPS1 antibody	Primary Antibodies, Rabbit Polyclonal Antibodies

NCBI AND UNIPROT INFORMATION

NCBI GI #	90652851
NCBI GeneID	7227
NCBI Accession #	NP_054831.2
NCBI GenBank Nucleotide #	NM_014112.2
UniProt Accession #	Q9UHF7; Q08AU2; Q9NWE1; Q9UHH6; B4E1Z5
Molecular Weight	141,521 Da
NCBI Official Full Name	zinc finger transcription factor Trps1
NCBI Official Synonym Full Names	trichorhinophalangeal syndrome I
NCBI Official Symbol	TRPS1
NCBI Official Synonym Symbols	GC79; LGCR
NCBI Protein Information	zinc finger transcription factor Trps1; zinc finger protein GC79; tricho-rhino-phalangeal syndrome type I protein
UniProt Protein Name	Zinc finger transcription factor Trps1
UniProt Gene Name	TRPS1
UniProt Entry Name	TRPS1_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.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com

Online datasheet: <https://stage.aaabiotech.com/polyclonal/trps1-antibody-flow-cytometry-immunofluorescence-immunocytochemistry-immunohistochemistry-western-blot-elisa/126214>