

Rabbit STPG2 Polyclonal Antibody | anti-STPG2 antibody

Anti-STPG2 Antibody Picoband

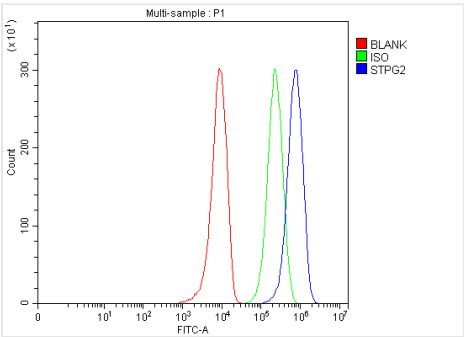
CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA127931	Rabbit	Human, Mouse, Rat	ELISA, Flow Cytometry, Functional Assay, Western Blot

PRODUCT SYNONYMS

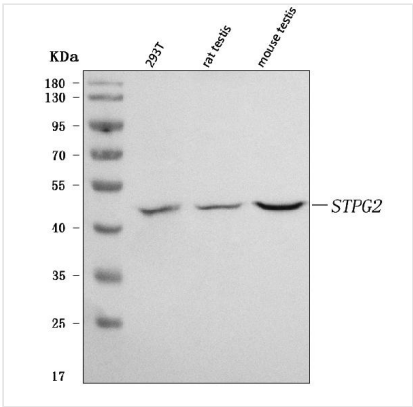
STPG2; Polyclonal Antibody; Anti-STPG2 Antibody Picoband; Transmembrane protein 240; placenta specific 9; Placenta-specific protein 9; PLAC9; anti-STPG2 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	Rabbit IgG
Specificity	Detected in liver, skeletal muscle, kidney, pancreas, spleen, thyroid, testis, ovary, small intestine and colon.
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-STPG2 antibody	ELISA, FCM/FACS (Flow Cytometry), WB (Western Blot)
Immunogen	E coli-derived human STPG2 recombinant protein (Position: N39-D399).
Subcellular Localization	Secreted
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	Involved in cellular response to oxidative stress.
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.



FCM/FACS (Flow Cytometry)
Figure 2. Flow Cytometry analysis of 293T cells using anti-STPG2 antibody (AAA127931). Overlay histogram showing 293T cells stained with AAA127931 (Blue line). To facilitate intracellular staining, cells were fixed with 4% paraformaldehyde and permeabilized with permeabilization buffer. The cells were blocked with 10% normal goat serum. And then incubated with rabbit anti-STPG2 Antibody (AAA127931, 1ug/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 (1ug/1x10⁶) used under the same conditions. Unlabelled sample without incubation with primary antibody and secondary antibody (Red line) was used as a blank control.



WB (Western Blot)
Figure 1. Western blot analysis of STPG2 using anti-STPG2 antibody (AAA127931). 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 293T whole cell lysates, Lane 2: rat testis tissue lysates, Lane 3: 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-STPG2 antigen affinity purified polyclonal antibody (#AAA127931) 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 STPG2 at approximately 51 kDa. The expected band size for STPG2 is at 51 kDa.

ADDITIONAL INFORMATION

Related Product Information for anti-STPG2 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-STPG2 antibody	Primary Antibodies; Cell Biology; Cell Type Markers; Tags & Cell Markers
References	1. Yakut, S. , Cetin, Z. , Clark, O. A. , Usta, M. F. , Berker, S. , & Luleci, G. . (2013). Exceptional complex chromosomal rearrangement and microdeletions at the 4q22.3q23 and 14q31.1q31.3 regions in a patient with azoospermia. Gene, 512(1), 157-160.2. Jing, J. , Fridley, B. L. , Feng, Q. , Abo, R. P. , Abra, B. , & Anthony, B. , et al. (2013). Genome-wide association study for biomarker identification of rapamycin and everolimus using a lymphoblastoid cell line system. Frontiers in Genetics, 4, 166-166.3. Lamesch, P. , Li, N. , Milstein, S. , Fan, C. , & Tong, H. . (2007). Horfeome v3.1: a resource of human open reading frames representing over 10,000 human genes. Genomics, 89(3), 307-315.

NCBI AND UNIPROT INFORMATION

NCBI GI #	33457324
NCBI GeneID	285555
NCBI Accession #	NP_777612.1
NCBI GenBank Nucleotide #	NM_174952.2
UniProt Accession #	Q8N412
Molecular Weight	50,660 Da
NCBI Official Full Name	sperm-tail PG-rich repeat-containing protein 2
NCBI Official Synonym Full Names	sperm-tail PG-rich repeat containing 2

NCBI Official Symbol	STPG2
NCBI Official Synonym Symbols	C4orf37
NCBI Protein Information	sperm-tail PG-rich repeat-containing protein 2
UniProt Protein Name	Sperm-tail PG-rich repeat-containing protein 2
UniProt Gene Name	STPG2
UniProt Synonym Gene Names	C4orf37
UniProt Entry Name	STPG2_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/stpg2-antibody-flow-cytometry-western-blot-elisa/127931>