

Rabbit anti-Human STAP-1/STAP1 Polyclonal Antibody | anti-STAP-1/STAP1 antibody

Anti-STAP-1/STAP1 Antibody Picoband

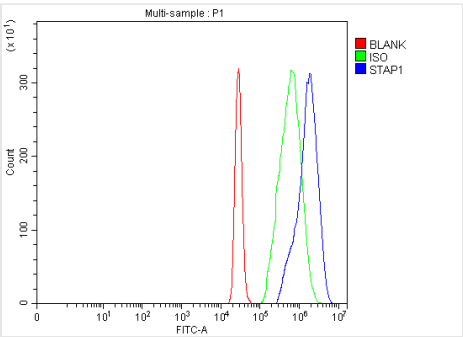
CATALOG # AAA127569	HOST Rabbit	REACTIVITY Human	APPLICATIONS ELISA, Flow Cytometry, Functional Assay, Western Blot
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PRODUCT SYNONYMS

STAP-1/STAP1; Polyclonal Antibody; Anti-STAP-1/STAP1 Antibody Picoband; tudor domain containing 3; Tudor domain-containing protein 3; TDRD3; anti-STAP-1/STAP1 antibody

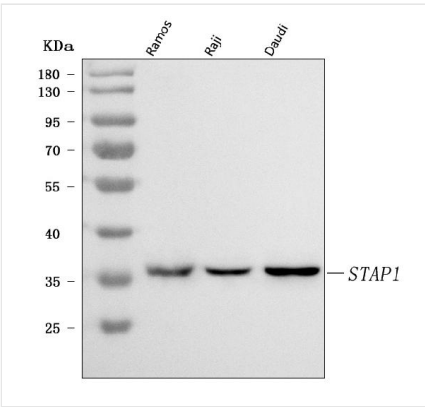
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Isotype	Rabbit IgG
Specificity	Detected in heart, brain, placenta, lung, liver, skeletal muscle, kidney and pancreas.
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-STAP-1/STAP1 antibody	ELISA, FCM/FACS (Flow Cytometry), WB (Western Blot)
Immunogen	E coli-derived human STAP-1/STAP1 recombinant protein (Position: M2-E282).
Subcellular Localization	Nucleus, Cytoplasm
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	Scaffolding protein that specifically recognizes and binds dimethylarginine-containing proteins. In nucleus, acts as a coactivator: recognizes and binds asymmetric dimethylation on the core histone tails associated with transcriptional activation (H3R17me2a and H4R3me2a) and recruits proteins at these arginine-methylated loci. In cytoplasm, may play a role in the assembly and/or disassembly of mRNA stress granules and in the regulation of translation of target mRNAs by binding Arg/Gly-rich motifs (GAR) in dimethylarginine-containing proteins.
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 U937 cells using anti-STAP-1/STAP1 antibody (AAA127569). Overlay histogram showing U937 cells stained with AAA127569 (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-STAP-1/STAP1 Antibody (AAA127569, 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 STAP-1/STAP1 using anti-STAP-1/STAP1 antibody (AAA127569). 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 Ramos whole cell lysates, Lane 2: human Raji whole cell lysates, Lane 3: human Daudi 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-STAP-1/STAP1 antigen affinity purified polyclonal antibody (#AAA127569) at 0.25ug/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 STAP-1/STAP1 at approximately 36 kDa. The expected band size for STAP-1/STAP1 is at 34 kDa.

ADDITIONAL INFORMATION

Related Product Information for anti-STAP-1/STAP1 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-STAP-1/STAP1 antibody	Primary Antibodies; Adaptive Immunity; B Cells; Immunoglobulins; Immunology
References	1. Gross, M. B. Personal Communication. Baltimore, Md. 8/11/2011. 2. Ohya, K., Kajigaya, S., Kitanaka, A., Yoshida, K., Miyazato, A., Yamashita, Y., Yamanaka, T., Ikeda, U., Shimada, K., Ozawa, K., Mano, H. Molecular cloning of a docking protein, BRDG1, that acts downstream of the Tec tyrosine kinase. Proc. Nat. Acad. Sci. 96: 11976-11981, 1999.

NCBI AND UNIPROT INFORMATION

NCBI GI #	6912272
NCBI GeneID	26228
NCBI Accession #	NP_036240.1
NCBI GenBank Nucleotide #	NM_012108.2
UniProt Accession #	Q9ULZ2; B2R980
Molecular Weight	34,291 Da
NCBI Official Full Name	signal-transducing adaptor protein 1
NCBI Official Synonym Full Names	signal transducing adaptor family member 1
NCBI Official Symbol	STAP1
NCBI Official Synonym Symbols	BRDG1; STAP-1

NCBI Protein Information	signal-transducing adaptor protein 1; BCR downstream signaling 1; BCR downstream-signaling protein 1; docking protein BRDG1; signal-transducing adaptor protein-1; stem cell adaptor protein 1
UniProt Protein Name	Signal-transducing adaptor protein 1
UniProt Gene Name	STAP1
UniProt Synonym Gene Names	BRDG1; STAP-1
UniProt Entry Name	STAP1_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://www.aaabiotech.com/polyclonal/stap-1-stap1-antibody-flow-cytometry-western-blot-elisa/127569>