

Rabbit TRAPB/SSR2 Polyclonal Antibody | anti-TRAPB/SSR2 antibody

Anti-TRAPB/SSR2 Antibody Picoband

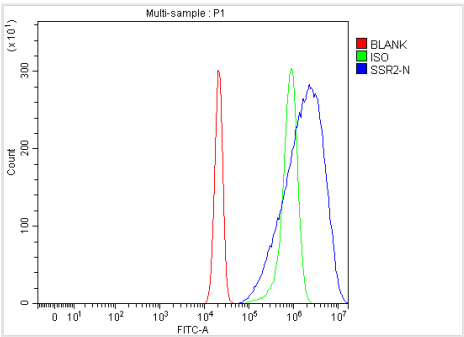
CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA127704	Rabbit	Human, Mouse, Rat	ELISA, Flow Cytometry, Functional Assay, Western Blot

PRODUCT SYNONYMS

TRAPB/SSR2; Polyclonal Antibody; Anti-TRAPB/SSR2 Antibody Picoband; interleukin 17B; Interleukin-17B; IL-17B; Cytokine CX1; Cytokine-like protein ZCYTO7; Neuronal interleukin-17-related factor; Il17b; Nirf; Zcyto7; anti-TRAPB/SSR2 antibody

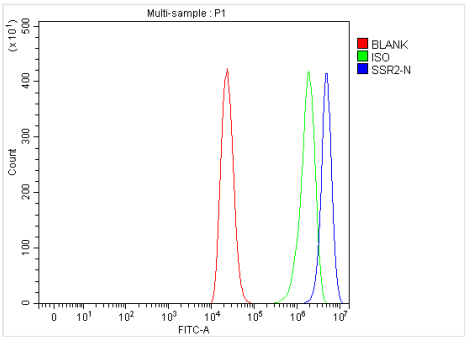
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	Rabbit IgG
Specificity	Expressed in adult pancreas, small intestine, stomach, spinal cord and testis. Less pronounced expression in prostate, colon mucosal lining, and ovary.
Purity/Purification	Immunogen affinity purified.
Form/Format	Lyophilized. Each vial contains 4 mg Trehalose, 0.9 mg NaCl, 0.2 mg Na2HPO4.
Applicable Applications for anti-TRAPB/SSR2 antibody	ELISA, FCM/FACS (Flow Cytometry), WB (Western Blot)
Immunogen	E coli-derived human TRAPB/SSR2 recombinant protein (Position: E18-E138).
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	Stimulates the release of tumor necrosis factor alpha and IL-1-beta from the monocytic cell line THP-1.
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.



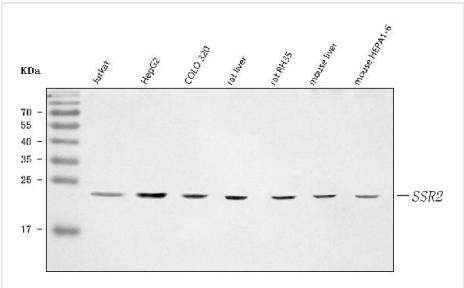
FCM/FACS (Flow Cytometry)

Figure 3. Flow Cytometry analysis of U2OS cells using anti-TRAPB/SSR2 antibody (AAA127704).Overlay histogram showing U2OS cells stained with AAA127704 (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-TRAPB/SSR2 Antibody (AAA127704, 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.



FCM/FACS (Flow Cytometry)

Figure 2. Flow Cytometry analysis of THP-1 cells using anti-TRAPB/SSR2 antibody (AAA127704).Overlay histogram showing THP-1 cells stained with AAA127704 (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-TRAPB/SSR2 Antibody (AAA127704, 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 TRAPB/SSR2 using anti-TRAPB/SSR2 antibody (AAA127704).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 Jurkat whole cell lysates,Lane 2: human HepG2 whole cell lysates,Lane 3: human COLO 320 whole cell lysates,Lane 4: rat liver tissue lysates,Lane 5: rat RH35 whole cell lysates,Lane 6: mouse liver tissue lysates,Lane 7: mouse HEP1-6 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-TRAPB/SSR2 antigen affinity purified polyclonal antibody (#AAA127704) 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 TRAPB/SSR2 at approximately 22 kDa. The expected band size for TRAPB/SSR2 is at 20 kDa.

ADDITIONAL INFORMATION

Related Product Information for anti-TRAPB/SSR2 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-TRAPB/SSR2 antibody	Primary Antibodies; Cytokines; Immunology; Innate Immunity; Interleukins
References	1. Chinen, K., Sudo, K., Takahashi, E., Nakamura, Y. Isolation and mapping of the human beta-signal sequence receptor gene (SSR2). Cytogenet. Cell Genet. 70: 215-217, 1995.

NCBI AND UNIPROT INFORMATION

NCBI GI #	4507239
NCBI GeneID	6746
NCBI Accession #	NP_003136.1
NCBI GenBank Nucleotide #	NM_003145.3
UniProt Accession #	P43308; Q53HI0; Q5VY95; Q5VY96; Q6IB31; Q9BWE4; B2R9K9; D3DVA7
Molecular Weight	20,135 Da
NCBI Official Full Name	translocon-associated protein subunit beta
NCBI Official Synonym Full Names	signal sequence receptor, beta (translocon-associated protein beta)
NCBI Official Symbol	SSR2
NCBI Official Synonym Symbols	TLAP; HSD25; TRAPB; TRAP-BETA
NCBI Protein Information	translocon-associated protein subunit beta; SSR-beta; signal sequence receptor subunit beta; translocon-associated protein beta
UniProt Protein Name	Translocon-associated protein subunit beta
UniProt Gene Name	SSR2
UniProt Synonym Gene Names	TRAPB; TRAP-beta; SSR-beta
UniProt Entry Name	SSRB_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/trapb-ssr2-antibody-flow-cytometry-western-blot-elisa/127704>