

Rabbit SRP54 Polyclonal Antibody | anti-SRP54 antibody

Anti-SRP54 Antibody Picoband

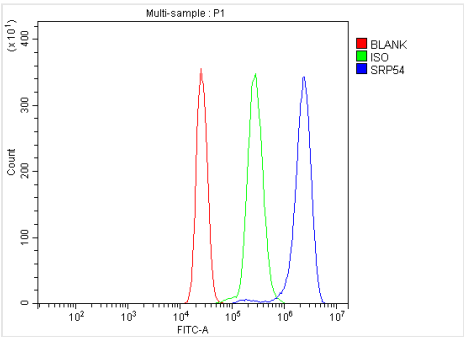
CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA126453	Rabbit	Human, Mouse, Rat	Western Blot, Immunocytochemistry, Immunofluorescence, Flow Cytometry, Functional Assay, ELISA

PRODUCT SYNONYMS

SRP54; Polyclonal Antibody; Anti-SRP54 Antibody Picoband; anti-SRP54 antibody

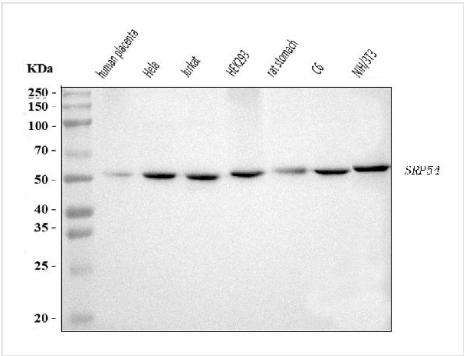
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse, Rat
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-SRP54 antibody	WB (Western Blot), ICC (Immunocytochemistry), IF (Immunofluorescence), FCM/FACS (Flow Cytometry), ELISA
Reconstitution	Adding 0.2 ml of distilled water will yield a concentration of 500 ug/ml.
Immunogen	E Coli-derived human SRP54 recombinant protein (Position: V2-K433).
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.



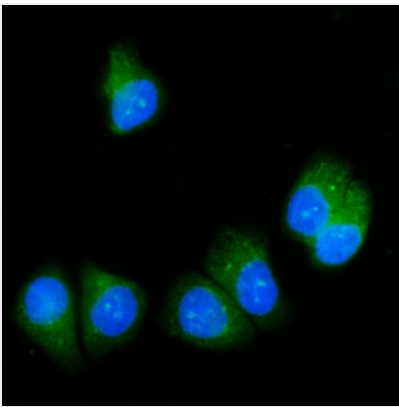
FCM/FACS (Flow Cytometry)

Figure 3. Flow Cytometry analysis of U937 cells using anti-SRP54 antibody (AAA126453).Overlay histogram showing U937 cells stained with AAA126453 (Blue line). The cells were blocked with 10% normal goat serum. And then incubated with rabbit anti-SRP54 Antibody (AAA126453, 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.



WB (Western Blot)

Figure 1. Western blot analysis of SRP54 using anti-SRP54 antibody (AAA126453).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 placenta tissue lysates,Lane 2: human Hela whole cell lysates,Lane 3: human Jurkat whole cell lysates,Lane 4: human HEK293 whole cell lysates,Lane 5: rat stomach tissue lysates,Lane 6: rat C6 whole cell lysates,Lane 7: mouse NIH/3T3 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-SRP54 antigen affinity purified polyclonal antibody (#AAA126453) at 0.25 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 SRP54 at approximately 256 kDa. The expected band size for SRP54 is at 256 kDa.



IF (Immunofluorescence)

Figure 2. IF analysis of SRP54 using anti-SRP54 antibody (AAA126453).SRP54 was detected in an immunocytochemical section of T47D cells. 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-SRP54 Antibody (AAA126453) overnight at 4 degree C. DyLight488 Conjugated Goat Anti-Rabbit IgG was 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.

ADDITIONAL INFORMATION

Related Product Information for anti-SRP54 antibody	The signal recognition particle (SRP) is a ribonucleoprotein complex that mediates the targeting of proteins to the endoplasmic reticulum (ER). The complex consists of a 7S (or 7SL) RNA and 6 different proteins, and signal recognition particle 54 (SRP54) is one of them. SRP54 binds to the signal sequence of presecretory protein as they emerge from the translating ribosomes, and then transfers them to translocating chain-associating membrane protein (TRAM).
Product Categories/Family for anti-SRP54 antibody	Primary Antibodies, Rabbit Polyclonal Antibodies

NCBI AND UNIPROT INFORMATION

NCBI GI #	46577650
NCBI GeneID	6729
UniProt Accession #	P61011; P13624; B2R759; B4DUW6
Molecular Weight	504
NCBI Official Full Name	Signal recognition particle 54 kDa protein
NCBI Official Synonym Full Names	signal recognition particle 54kDa
NCBI Official Symbol	SRP54
NCBI Protein Information	signal recognition particle 54 kDa protein; signal recognition particle 54kD
UniProt Protein Name	Signal recognition particle 54 kDa protein
UniProt Gene Name	SRP54
UniProt Synonym Gene Names	SRP54
UniProt Entry Name	SRP54_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/srp54-antibody-western-blot-immunocytochemistry-immunofluorescence-flow-cytometry-elisa/126453>