

Rabbit SERBP1 Polyclonal Antibody | anti-SERBP1 antibody

Anti-SERBP1 Antibody Picoband

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA126403	Rabbit	Human, Mouse, Rat	Flow Cytometry, Functional Assay, Western Blot

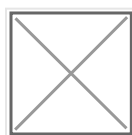
PRODUCT SYNONYMS

SERBP1; Polyclonal Antibody; Anti-SERBP1 Antibody Picoband; anti-SERBP1 antibody

PRODUCT SPECIFICATIONS

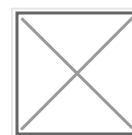
Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	Rabbit IgG
Purity/Purification	Immunogen affinity purified.
Form/Format	Lyophilized Each vial contains 4 mg Trehalose, 0.9 mg NaCl, 0.2 mg Na ₂ HPO ₄ .
Concentration	Adding 0.2 ml of distilled water will yield a concentration of 500 ug/ml. (varies by lot)
Applicable Applications for anti-SERBP1 antibody	FCM/FACS (Flow Cytometry), WB (Western Blot)
Reconstitution	Adding 0.2 ml of distilled water will yield a concentration of 500 ug/ml.
Immunogen	A synthetic peptide corresponding to a sequence of human SERBP1 (KGFVLHKSKEEAHAEDSVMDHH).
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 RH35 cells using anti-SERBP1 antibody (AAA126403).Overlay histogram showing RH35 cells stained with AAA126403 (Blue line). The cells were blocked with 10% normal goat serum. And then incubated with rabbit anti-SERBP1 Antibody (AAA126403, 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.



FCM/FACS (Flow Cytometry)

Figure 3. Flow Cytometry analysis of HEL cells using anti-SERBP1 antibody (AAA126403).Overlay histogram showing HEL cells stained with AAA126403 (Blue line). The cells were blocked with 10% normal goat serum. And then incubated with rabbit anti-SERBP1 Antibody (AAA126403, 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.



FCM/FACS (Flow Cytometry)

Figure 2. Flow Cytometry analysis of ANA-1 cells using anti-SERBP1 antibody (AAA126403). Overlay histogram showing ANA-1 cells stained with AAA126403 (Blue line). The cells were blocked with 10% normal goat serum. And then incubated with rabbit anti-SERBP1 Antibody (AAA126403, 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 SERBP1 using anti-SERBP1 antibody (AAA126403). 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 LNCAP whole cell lysates, Lane 2: human K562 whole cell lysates, Lane 3: human Daudi whole cell lysates, Lane 4: human HEL whole cell lysates, Lane 5: rat kidney tissue lysates, Lane 6: mouse skeletal muscle tissue lysates, Lane 7: mouse kidney 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-SERBP1 antigen affinity purified polyclonal antibody (#AAA126403) 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 SERBP1 at approximately 55 kDa(human) and 50 kDa(mouse, rat). The expected band size for SERBP1 is at 45 kDa.

ADDITIONAL INFORMATION

Related Product Information for anti-SERBP1 antibody	Plasminogen activator inhibitor 1 RNA-binding protein (serbp1) is a protein that in humans is encoded by the SERBP1 gene. Enables SUMO binding activity; mRNA 3'-UTR binding activity; and ribosome binding activity. Involved in PML body organization. Located in cytosol and nucleus.
Product Categories/Family for anti-SERBP1 antibody	Primary Antibodies , Rabbit Polyclonal Antibodies

NCBI AND UNIPROT INFORMATION

NCBI GI #	66346679
NCBI GeneID	26135
NCBI Accession #	NP_001018077
NCBI GenBank Nucleotide #	NM_001018067
UniProt Accession #	Q8NC51; Q5VU19; Q5VU20; Q5VU22; Q8WUJ0; Q96SE2; Q9BTY3; Q9BUM4; Q9Y367; Q9Y4S3
Molecular Weight	42,427 Da
NCBI Official Full Name	plasminogen activator inhibitor 1 RNA-binding protein isoform 1
NCBI Official Synonym Full Names	SERPINE1 mRNA binding protein 1
NCBI Official Symbol	SERBP1
NCBI Official Synonym Symbols	CGI-55; CHD3IP; HABP4L; PAIRBP1; PAI-RBP1
NCBI Protein Information	plasminogen activator inhibitor 1 RNA-binding protein; PAI-1 mRNA binding protein; PAI1 RNA-binding protein 1; SERPINE1 mRNA-binding protein 1; chromodomain helicase DNA binding protein 3 interacting protein; plasminogen activator inhibitor 1 RNA binding
UniProt Protein Name	Plasminogen activator inhibitor 1 RNA-binding protein
UniProt Gene Name	SERBP1
UniProt Synonym Gene Names	PAIRBP1; PAI-RBP1
UniProt Entry Name	PAIRB_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.

