

Rabbit anti-Human SBDS Polyclonal Antibody | anti-SBDS antibody

Anti-SBDS Antibody Picoband

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA126223	Rabbit	Human	ELISA, Flow Cytometry, Functional Assay, Western Blot

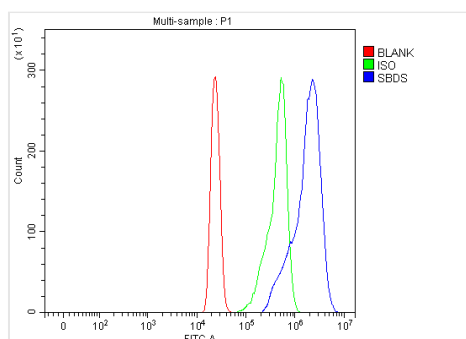
PRODUCT SYNONYMS

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

PRODUCT SPECIFICATIONS

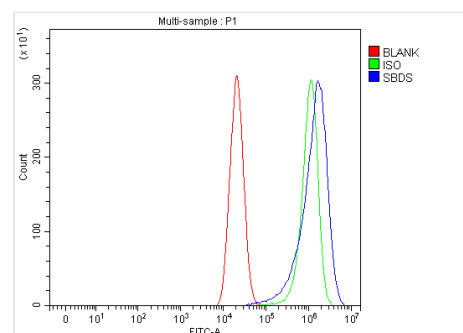
Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Isotype	Rabbit IgG
Purity/Purification	Immunogen affinity purified.
Form/Format	Lyophilized Each vial contains 4 mg Trehalose, 0.9 mg NaCl, 0.2 mg Na ₂ HPO ₄ .
Concentration	Adding 0.2 ml of distilled water will yield a concentration of 500 ug/ml. (varies by lot)
Applicable Applications for anti-SBDS antibody	ELISA, FCM/FACS (Flow Cytometry), WB (Western Blot)
Reconstitution	Adding 0.2 ml of distilled water will yield a concentration of 500 ug/ml.
Immunogen	E Coli-derived human SBDS recombinant protein (Position: R19-D241).
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



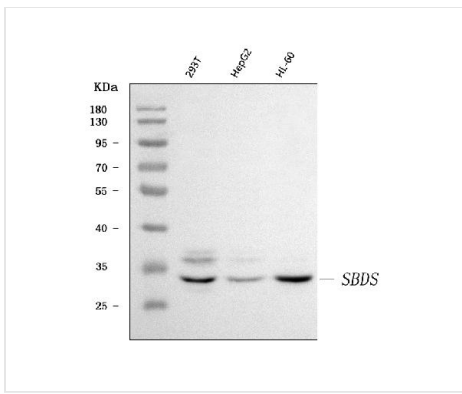
FCM/FACS (Flow Cytometry)

Figure 3. Flow Cytometry analysis of HL-60 cells using anti-SBDS antibody (AAA126223). Overlay histogram showing HL-60 cells stained with AAA126223 (Blue line). The cells were blocked with 10% normal goat serum. And then incubated with rabbit anti-SBDS Antibody (AAA126223, 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 Caco-2 cells using anti-SBDS antibody (AAA126223). Overlay histogram showing Caco-2 cells stained with AAA126223 (Blue line). The cells were blocked with 10% normal goat serum. And then incubated with rabbit anti-SBDS Antibody (AAA126223, 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 SBDS using anti-SBDS antibody (AAA126223). 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: human HepG2 whole cell lysates, Lane 3: human HL-60 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-SBDS antigen affinity purified polyclonal antibody (#AAA126223) 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 SBDS at approximately 32 kDa. The expected band size for SBDS is at 29 kDa.

ADDITIONAL INFORMATION

Related Product Information for anti-SBDS antibody	Ribosome maturation protein SBDS is a protein that in humans is encoded by the SBDS gene. This gene encodes a highly conserved protein that plays an essential role in ribosome biogenesis. The encoded protein interacts with elongation factor-like GTPase 1 to disassociate eukaryotic initiation factor 6 from the late cytoplasmic pre-60S ribosomal subunit allowing assembly of the 80S subunit. Mutations within this gene are associated with the autosomal recessive disorder Shwachman-Bodian-Diamond syndrome. This gene has a closely linked pseudogene that is distally located.
Product Categories/Family for anti-SBDS antibody	Primary Antibodies, Rabbit Polyclonal Antibodies

NCBI AND UNIPROT INFORMATION

NCBI GI #	28416940
NCBI GeneID	51119
NCBI Accession #	NP_057122.2
NCBI GenBank Nucleotide #	NM_016038.2
UniProt Accession #	Q9Y3A5; Q96FX0; Q9NV53; A8K0P4
Molecular Weight	28,764 Da
NCBI Official Full Name	ribosome maturation protein SBDS
NCBI Official Synonym Full Names	Shwachman-Bodian-Diamond syndrome
NCBI Official Symbol	SBDS
NCBI Official Synonym Symbols	SDS; SWDS; CGI-97
NCBI Protein Information	ribosome maturation protein SBDS
UniProt Protein Name	Ribosome maturation protein SBDS
UniProt Gene Name	SBDS

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/sbds-antibody-flow-cytometry-western-blot-elisa/126223>