

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

Anti-SDS Antibody Picoband

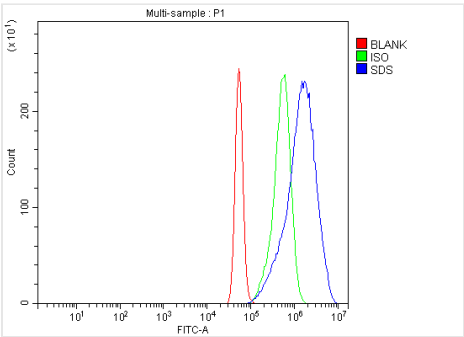
CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA126210	Rabbit	Human	ELISA, Flow Cytometry, Functional Assay, Western Blot

PRODUCT SYNONYMS

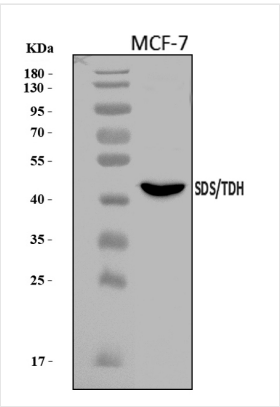
SDS; Polyclonal Antibody; Anti-SDS Antibody Picoband; anti-SDS antibody

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-SDS 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 SDS recombinant protein (Position: M1-K328).
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 2. Flow Cytometry analysis of A431 cells using anti-SDS antibody (AAA126210).Overlay histogram showing A431 cells stained with AAA126210 (Blue line). The cells were blocked with 10% normal goat serum. And then incubated with rabbit anti-SDS Antibody (AAA126210, 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 SDS using anti-SDS antibody (AAA126210).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 MCF-7 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-SDS antigen affinity purified polyclonal antibody (#AAA126210) 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 SDS at approximately 42 kDa. The expected band size for SDS is at 35 kDa.

ADDITIONAL INFORMATION

Related Product Information for anti-SDS antibody	Serine dehydratase or L-serine ammonia lyase (SDH) is in the beta-family of pyridoxal phosphate-dependent (PLP) enzymes. This gene encodes one of three enzymes that are involved in metabolizing serine and glycine. L-serine dehydratase converts L-serine to pyruvate and ammonia and requires pyridoxal phosphate as a cofactor. The encoded protein can also metabolize threonine to NH ₄ ⁺ and 2-ketobutyrate. The encoded protein is found predominantly in the liver.
Product Categories/Family for anti-SDS antibody	Primary Antibodies, Rabbit Polyclonal Antibodies

NCBI AND UNIPROT INFORMATION

NCBI GI #	18088452
NCBI GeneID	10993
UniProt Accession #	P20132; A8K9P5
Molecular Weight	34,625 Da
NCBI Official Full Name	SDS protein
NCBI Official Synonym Full Names	serine dehydratase
NCBI Official Symbol	SDS
NCBI Official Synonym Symbols	SDH
NCBI Protein Information	L-serine dehydratase/L-threonine deaminase; TDH; L-serine deaminase; L-serine ammonia-lyase; L-threonine dehydratase
UniProt Protein Name	L-serine dehydratase/L-threonine deaminase
UniProt Gene Name	SDS
UniProt Synonym Gene Names	SDH; SDH; TDH

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://stage.aaabiotech.com/polyclonal/sds-antibody-flow-cytometry-western-blot-elisa/126210>