

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

SDS Antibody (N-term)

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA284691	Rabbit	Human	Flow Cytometry, Functional Assay, ELISA, Western Blot

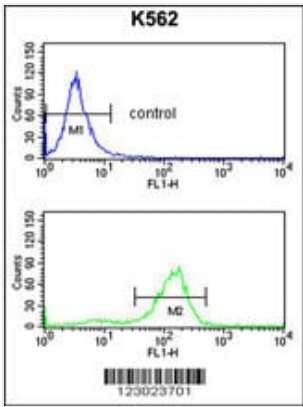
PRODUCT SYNONYMS

SDS; Polyclonal Antibody; SDS Antibody (N-term); L-serine dehydratase/L-threonine deaminase; SDH; L-serine deaminase; L-threonine dehydratase; TDH; anti-SDS antibody

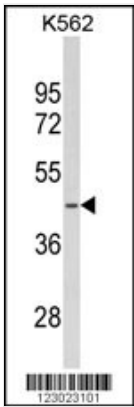
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Isotype	Rabbit Ig
Specificity	This SDS antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 1-30 amino acids from the N-terminal region of human SDS.
Purity/Purification	Peptide Affinity Purified Rabbit Polyclonal Antibody (Pab)
Form/Format	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.
Concentration	Vial Concentration: 0.5 (varies by lot)
Sequence Positions	1-30
Sequence Length	328
Applicable Applications for anti-SDS antibody	FCM/FACS (Flow Cytometry), ELISA, WB (Western Blot)
Antigen Type	Synthetic Peptide
Antigen Source	HUMAN
Preparation and Storage	Maintain refrigerated at 2-8 degree C for up to 6 months. For long term storage store at -20 degree C in small aliquots to prevent freeze-thaw cycles.

IMAGES



FCM/FACS (Flow Cytometry)
SDS Antibody (N-term) flow cytometry analysis of K562 cells (bottom histogram) compared to a negative control cell (top histogram). FITC-conjugated goat-anti-rabbit secondary antibodies were used for the analysis.



WB (Western Blot)
Western blot analysis of SDS Antibody (N-term) in K562 cell line lysates (35ug/lane). SDS (arrow) was detected using the purified Pab.

ADDITIONAL INFORMATION

Related Product Information for anti-SDS antibody	SDS 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	Metabolism; Signal Transduction
References	Yamada, T., et.al., Biochim. Biophys. Acta 1780 (5), 809-818 (2008) Szaflik, J.P., et.al., Exp. Eye Res. 86 (4), 647-652 (2008)

NCBI AND UNIPROT INFORMATION

NCBI GI #	33469958
NCBI GeneID	10993
NCBI Accession #	NP_006834.2
NCBI GenBank Nucleotide #	NM_006843.2
UniProt Accession #	P20132; A8K9P5
Molecular Weight	34625
NCBI Official Full Name	L-serine dehydratase/L-threonine deaminase
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
UniProt Protein Name	L-serine dehydratase/L-threonine deaminase
UniProt Gene Name	SDS
UniProt Synonym Gene Names	SDH; SDH; TDH
UniProt Entry Name	SDHL_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://stage.aaabiotech.com/polyclonal/sds-antibody-flow-cytometry-western-blot-elisa/284691>