

Mouse anti-Human SBDS Monoclonal Antibody | anti-SBDS antibody

SBDS antibody

CATALOG # AAA48111	HOST Mouse	REACTIVITY Human	APPLICATIONS Immunofluorescence, Immunocytochemistry, Western Blot, ELISA
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PRODUCT SYNONYMS

SBDS; Monoclonal Antibody; SBDS antibody; Ribosome maturation protein SBDS; CGI-97; SDS; SWDS; anti-SBDS antibody

PRODUCT SPECIFICATIONS

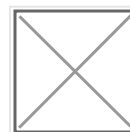
Host	Mouse
Reactivity	Human
Clonality	Monoclonal
Isotype	IgG2b,k
Clone Number	AT1E8
Purity/Purification	By protein-G affinity chromatography
Form/Format	Liquid. In phosphate-buffered saline (pH 7.4) with 0.02% Sodium Azide, 10% glycerol.
Concentration	1mg/ml (varies by lot)
Sequence Length	250
Applicable Applications for anti-SBDS antibody	IF (Immunofluorescence), ICC (Immunocytochemistry), WB (Western Blot), ELISA
Antigen Species	Human
Immunogen	Recombinant human SBDS (1-250aa) purified from E. coli
Clone Note	Anti-human SBDS mAb, clone AT1E8, is derived from hybridization of mouse F0 myeloma cells with spleen cells from BALB/c mice immunized with a recombinant human SBDS protein.
Preparation and Storage	Can be stored at 4 degree C. For long term storage, aliquot and store at -20 degree C. Avoid repeated freezing and thawing cycles.

IMAGES



IF (Immunofluorescence)

ICC/IF analysis of SBDS in HeLa cells line, stained with DAPI (Blue) for nucleus staining and monoclonal anti-human SBDS antibody (1:100) with goat anti-mouse IgG-Alexa fluor 488 conjugate (Green).



WB (Western Blot)

The Cell lysates (40ug) were resolved by SDS-PAGE, transferred to PVDF membrane and probed with anti-human SBDS antibody (1:3000). Proteins were visualized using a goat anti-mouse secondary antibody conjugated to HRP and an ECL detection system. Lane 1.: 293T cell lysate Lane 2.: HeLa cell lysate

ADDITIONAL INFORMATION

Related Product Information for anti-SBDS antibody	The Shwachman-Bodian-Diamond syndrome (SBDS) is 249 amino acid ribosome maturation protein. The precise function of the SBDS protein is not known but it appears to play an important role in actin cytoskeletal function and mitotic spindle stabilization. Also, SBDS is required for the assembly of mature ribosomes and ribosome biogenesis. Mutations in the SBDS gene cause Shwachman-Diamond syndrome (SDS). SDS is an autosomal recessive disorder with clinical features that include pancreatic exocrine insufficiency, haematological dysfunction and skeletal abnormalities.
Product Categories/Family for anti-SBDS antibody	Metabolism
References	Boocock G.R., et al. (2003) Nat Genet 33 (1): 97-101; Orelio C., et al. (2011) PLoS ONE 6 (6): e20727; Savchenko., et al. (2005) J Biol Chem 280 (19): 19213-20

NCBI AND UNIPROT INFORMATION

NCBI GI #	28416940
NCBI GeneID	51119
NCBI Accession #	NP_057122
NCBI GenBank Nucleotide #	NM_016038.3
UniProt Accession #	Q9Y3A5; Q96FX0; Q9NV53; A8K0P4
Molecular Weight	28,764 Da
NCBI Official Full Name	ribosome maturation protein SBDS
NCBI Official Synonym Full Names	SBDS, ribosome maturation factor
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.

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Online datasheet: <https://stage.aaabiotech.com/monoclonal/sbds-antibody-clone-at1e8-immunofluorescence-immunocytochemistry-western-blot-elisa/48111>