

ARG57006 anti-SBDS antibody [1E8]

Package: 50 µl
Store at: -20°C

Summary

Product Description	Mouse Monoclonal antibody [1E8] recognizes SBDS
Tested Reactivity	Hu
Tested Application	WB
Host	Mouse
Clonality	Monoclonal
Clone	1E8
Isotype	IgG2b, kappa
Target Name	SBDS
Species	Human
Immunogen	Recombinant fragment around aa. 1-250 of Human SBDS.
Conjugation	Un-conjugated
Alternate Names	Ribosome maturation protein SBDS; Shwachman-Bodian-Diamond syndrome protein; SWDS; CGI-97; SDS

Application Instructions

Application table	Application	Dilution
	WB	1:3000

Application Note * The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.

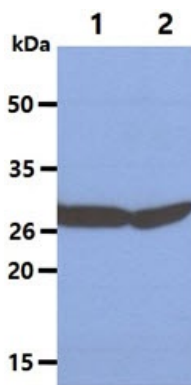
Properties

Form	Liquid
Purification	Purification with Protein G.
Buffer	PBS (pH 7.4), 0.02% Sodium azide and 10% Glycerol.
Preservative	0.02% Sodium azide
Stabilizer	10% Glycerol
Concentration	1 mg/ml
Storage instruction	For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use.
Note	For laboratory research only, not for drug, diagnostic or other use.

Bioinformation

Database links	GeneID: 51119 Human Swiss-port # Q9Y3A5 Human
Gene Symbol	SBDS
Gene Full Name	Shwachman-Bodian-Diamond syndrome
Background	This gene encodes a member of a highly conserved protein family that exists from archaea to vertebrates and plants. The encoded protein may function in RNA metabolism. Mutations within this gene are associated with Shwachman-Bodian-Diamond syndrome. An alternative transcript has been described, but its biological nature has not been determined. This gene has a closely linked pseudogene that is distally located. [provided by RefSeq, Jul 2008]
Function	Required for the assembly of mature ribosomes and ribosome biogenesis. Together with EFTUD1, triggers the GTP-dependent release of EIF6 from 60S pre-ribosomes in the cytoplasm, thereby activating ribosomes for translation competence by allowing 80S ribosome assembly and facilitating EIF6 recycling to the nucleus, where it is required for 60S rRNA processing and nuclear export. Required for normal levels of protein synthesis. May play a role in cellular stress resistance. May play a role in cellular response to DNA damage. May play a role in cell proliferation. [UniProt]
Calculated Mw	29 kDa

Images



ARG57006 anti-SBDS antibody [1E8] WB image

Western blot: 40 µg of 1) 293T cell lysate, 2) HeLa cell lysate stained with ARG57006 anti-SBDS antibody [1E8] at 1:3000.