

KD-Validated Anti-SBDS Ribosome Maturation Factor Rabbit Monoclonal Antibody

Rabbit monoclonal antibody

Catalog # AGI1373

Product Information

Application	WB, FC, ICC
Primary Accession	Q9Y3A5
Reactivity	Rat, Human, Mouse
Clonality	Monoclonal
Isotype	Rabbit IgG
Clone Names	25GB3180
Calculated MW	28764
Gene Name	SBDS
Aliases	SBDS; SBDS Ribosome Maturation Factor; CGI-97; SWDS; SDO1; SDS; SBDS, Ribosome Assembly Guanine Nucleotide Exchange Factor; Ribosome Maturation Protein SBDS; FLJ10917; Shwachman-Bodian-Diamond Syndrome Protein; Shwachman-Bodian-Diamond Syndrome
Immunogen	A synthesized peptide derived from human SBDS

Additional Information

Gene ID	51119
Other Names	Ribosome maturation protein SBDS, Shwachman-Bodian-Diamond syndrome protein, SBDS

Protein Information

Name	SBDS
Function	Required for the assembly of mature ribosomes and ribosome biogenesis. Together with EFL1, 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.
Cellular Location	Cytoplasm. Nucleus, nucleolus. Nucleus, nucleoplasm. Cytoplasm, cytoskeleton, spindle. Note=Primarily detected in the cytoplasm, and at low levels in nucleus and nucleolus (PubMed:17475909, PubMed:19602484). Detected in the nucleolus during G1 and G2 phase of the cell cycle, and diffusely distributed in the nucleus during S phase. Detected at the mitotic spindle. Colocalizes with the microtubule organizing center during interphase

(PubMed:19759903).

Tissue Location

Widely expressed.

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