

KD-Validated Anti-SBDS Ribosome Maturation Factor Rabbit Monoclonal Antibody
Rabbit monoclonal antibody
Catalog # AGI1373**Specification****KD-Validated Anti-SBDS Ribosome Maturation Factor Rabbit Monoclonal Antibody - Product Information**

Application	WB, FC, ICC
Primary Accession	Q9Y3A5
Reactivity	Rat, Human, Mouse
Clonality	Monoclonal
Isotype	Rabbit IgG
Calculated MW	Predicted, 29 kDa; observed, 29 kDa kDa
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

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

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

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

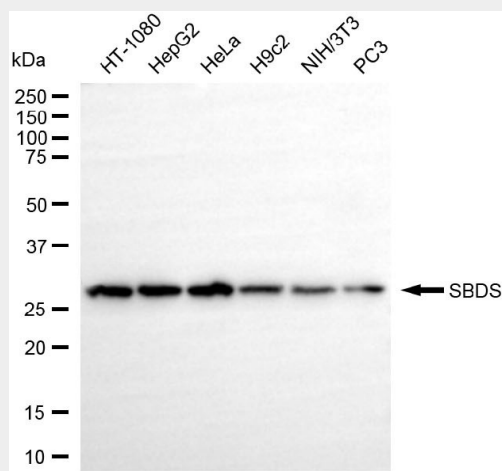
Widely expressed.

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

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

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



Western blotting analysis using anti-SBDS antibody (Cat#AGI1373). Total cell lysates (30 µg) from various cell lines were loaded and separated by SDS-PAGE. The blot was incubated with anti-SBDS antibody (Cat#AGI1373, 1:5,000) and HRP-conjugated goat anti-rabbit secondary antibody respectively.

