

**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	<a href="#">Q9Y3A5</a>
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
<b>Other Names</b>	
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

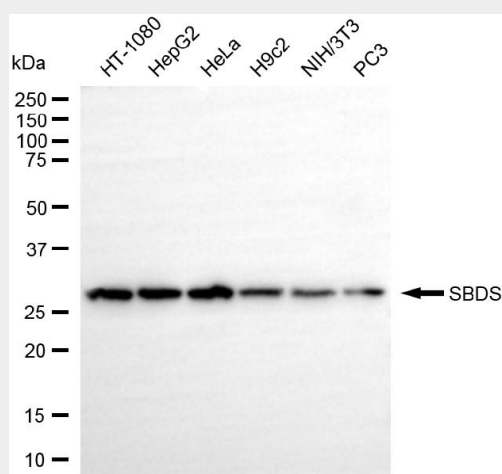
Widely expressed.

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

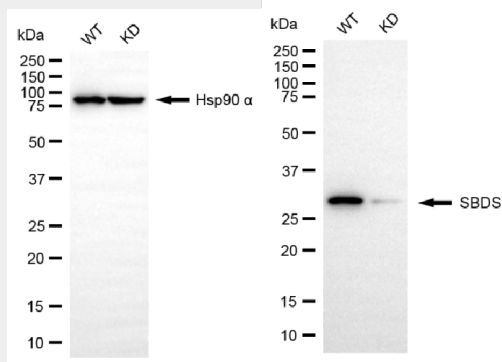
Provided below are standard protocols that you may find useful for product applications.

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

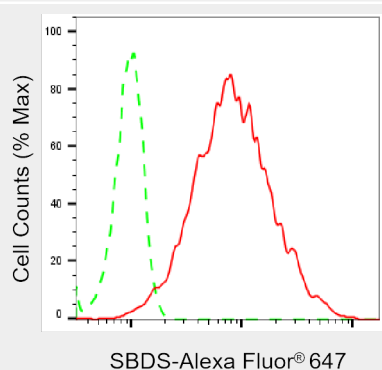
#### KD-Validated Anti-SBDS Ribosome Maturation Factor Rabbit Monoclonal Antibody - Images



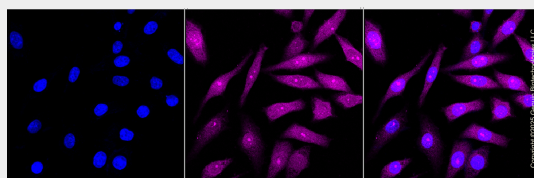
Western blotting analysis using anti-SBDS antibody (Cat#AGI1373). Total cell lysates (30 µg) from various cell lines were loaded and separated by SDS-PAGE. The blot was incubated with anti-SBDS antibody (Cat#AGI1373, 1:5,000) and HRP-conjugated goat anti-rabbit secondary antibody respectively.



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