

# SBDS antibody - C-terminal region

Rabbit Polyclonal Antibody

Catalog # AI12612

## Product Information

<b>Application</b>	WB, IHC
<b>Primary Accession</b>	<a href="#">Q9Y3A5</a>
<b>Other Accession</b>	<a href="#">NM_016038</a> , <a href="#">NP_057122</a>
<b>Reactivity</b>	Human, Mouse, Rat, Rabbit, Zebrafish, Pig, Dog, Guinea Pig, Horse, Bovine
<b>Predicted</b>	Human, Mouse, Rat, Zebrafish, Pig, Chicken, Dog, Bovine
<b>Host</b>	Rabbit
<b>Clonality</b>	Polyclonal
<b>Calculated MW</b>	28764

## Additional Information

<b>Gene ID</b>	51119
<b>Alias Symbol</b>	CGI-97, FLJ10917, SDS, SWDS
<b>Other Names</b>	Ribosome maturation protein SBDS, Shwachman-Bodian-Diamond syndrome protein, SBDS
<b>Format</b>	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose.
<b>Reconstitution &amp; Storage</b>	Add 100 ul of distilled water. Final anti-SBDS antibody concentration is 1 mg/ml in PBS buffer with 2% sucrose. For longer periods of storage, store at 20°C. Avoid repeat freeze-thaw cycles.
<b>Precautions</b>	SBDS antibody - C-terminal region is for research use only and not for use in diagnostic or therapeutic procedures.

## Protein Information

<b>Name</b>	SBDS
<b>Function</b>	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.
<b>Cellular Location</b>	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.

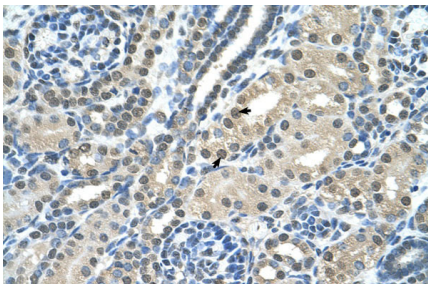
## References

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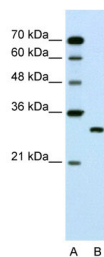
Austin,K.M.,(2005)Blood106(4),1253-1258ReconstitutionandStorage:Forshorttermuse,storeat2-8Cupto1week. Forlongtermstorage,storeat-20Cinsmallaliquotstopreventfreeze-thawcycles.

## Images

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Human kidney



WB Suggested Anti-SBDS Antibody Titration: 1.25µg/ml  
Positive Control: Jurkat cell lysate

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.