

Product datasheet for **AM50018PU-S**

Shwachman Bodian Diamond syndrome (SBDS) (1-250) Mouse Monoclonal Antibody [Clone ID: AT1E8]

Product data:

Product Type:	Primary Antibodies
Clone Name:	AT1E8
Applications:	ELISA, IF, WB
Recommended Dilution:	ELISA. Western blot: 1/3000. Immunocytochemistry / Immunofluorescence.
Reactivity:	Human
Host:	Mouse
Isotype:	IgG2b
Clonality:	Monoclonal
Immunogen:	Recombinant human SBDS (1-250aa) purified from <i>E. coli</i>
Specificity:	This antibody detects recombinant Human SBDS (1-250aa) Other species not tested.
Formulation:	PBS, pH 7.4 containing 0.02% Sodium Azide and 10% Glycerol State: Purified State: Liquid purified Ig fraction
Concentration:	lot specific
Purification:	Protein-G affinity chromatography
Conjugation:	Unconjugated
Storage:	Store undiluted at 2-8°C for up to two weeks or (in aliquots) at -20°C for longer. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
Gene Name:	SBDS ribosome assembly guanine nucleotide exchange factor
Database Link:	Entrez Gene 51119 Human Q9Y3A5



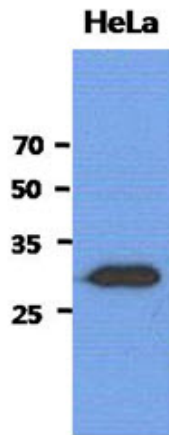
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Background:

The Shwachman-Bodian-Diamond syndrome (SBDS) is 249 amino acid ribosome maturation protein. The precise function of the SBDS protein is not known but it appears to play an important role in actin cytoskeletal function and mitotic spindle stabilization. Also, SBDS is required for the assembly of mature ribosomes and ribosome biogenesis. Mutations in the SBDS gene cause Shwachman-Diamond syndrome (SDS). SDS is an autosomal recessive disorder with clinical features that include pancreatic exocrine insufficiency, haematological dysfunction and skeletal abnormalities.

Synonyms:

Shwachman-Bodian-Diamond syndrome protein

Product images:

Western blot using SBDS antibody no. : The cell lysates of HeLa (40ug) were resolved by SDS-PAGE, transferred to PVDF membrane and probed with anti-human SBDS antibody (1:3000). Proteins were visualized using a goat anti-mouse secondary antibody conjugated to HRP and an ECL detection system.