Datasheet for ABIN7600404

anti-SBDS antibody (AA 19-241)

Go to Product page

Overview

Quantity:	100 µg
Target:	SBDS
Binding Specificity:	AA 19-241
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This SBDS antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Immunofluorescence (IF), Immunocytochemistry (ICC), Flow Cytometry (FACS)

Product Details

Purpose:	Anti-SBDS Antibody Picoband®
Immunogen:	E.coli-derived human SBDS recombinant protein (Position: R19-D241).
Isotype:	IgG
Cross-Reactivity (Details):	No cross-reactivity with other proteins.
Characteristics:	Anti-SBDS Antibody Picoband® (ABIN7600404). Tested in ELISA, Flow Cytometry, IF, ICC, WB applications. This antibody reacts with Human, Mouse, Rat. The brand Picoband indicates this is a premium antibody that guarantees superior quality, high affinity, and strong signals with minimal background in Western blot applications. Only our best-performing antibodies are designated as Picoband, ensuring unmatched performance.
Purification:	Immunogen affinity purified.

Target Details

Target:	SBDS
Alternative Name:	SBDS (SBDS Products)
Background:	Synonyms: Caspase-2, CASP-2, Neural precursor cell expressed developmentally down-regulated protein 2, NEDD-2, Protease ICH-1, Caspase-2 subunit p18, Caspase-2 subunit p13, Caspase-2 subunit p12, CASP2, ICH1, NEDD2 Tissue Specificity: Expressed at higher levels in the embryonic lung, liver and kidney than in the heart and brain. In adults, higher level expression is seen in the placenta, lung, kidney, and pancreas than in the heart, brain, liver and skeletal muscle. Background: Ribosome maturation protein SBDS is a protein that in humans is encoded by the SBDS gene. This gene encodes a highly conserved protein that plays an essential role in ribosome biogenesis. The encoded protein interacts with elongation factor-like GTPase 1 to disassociate eukaryotic initiation factor 6 from the late cytoplasmic pre-60S ribosomal subunit allowing assembly of the 80S subunit. Mutations within this gene are associated with the autosomal recessive disorder Shwachman-Bodian-Diamond syndrome. This gene has a closely linked pseudogene that is distally located.
Molecular Weight:	32 kDa
Gene ID:	51119
UniProt:	Q9Y3A5
Pathways:	Ribonucleoprotein Complex Subunit Organization, Ribosome Assembly

Application Details

Application Notes:	Western blot, 0.25-0.5 µg/mL, Human, Mouse, Rat Immunocytochemistry/Immunofluorescence, 5 µg/mL, Human Flow Cytometry(Fixed), 1-3 µg/1x10^6 cells, Human ELISA, 0.1-0.5 µg/mL, - 1. Austin, K. M., Gupta, M. L., Jr., Coats, S. A., Tulpule, A., Mostoslavsky, G., Balazs, A. B., Mulligan, R. C., Daley, G., Pellman, D., Shimamura, A. Mitotic spindle destabilization and genomic instability in Shwachman-Diamond syndrome. J. Clin. Invest. 118: 1511-1518, 2008. 2. Austin, K. M., Leary, R. J., Shimamura, A. The Shwachman-Diamond SBDS protein localizes to the nucleolus. Blood 106: 1253-1258, 2005. 3. Ball, H. L., Zhang, B., Riches, J. J., Gandhi, R., Li, J., Rommens, J. M., Myers, J. S. Shwachman-Bodian Diamond syndrome is a multi-functional protein implicated in cellular stress responses. Hum. Molec. Genet. 18: 3684-3695, 2009.
Restrictions:	For Research Use only

Handling

Format:	Lyophilized
Reconstitution:	Adding 0.2 mL of distilled water will yield a concentration of 500 µg/mL.
Concentration:	500 µg/mL
Buffer:	Each vial contains 4 mg Trehalose, 0.9 mg NaCl, 0.2 mg Na2HPO4.
Storage:	4 °C,-20 °C
Storage Comment:	At -20°C for one year from date of receipt. After reconstitution, at 4°C for one month. It can also be aliquotted and stored frozen at -20°C for six months. Avoid repeated freezing and thawing.