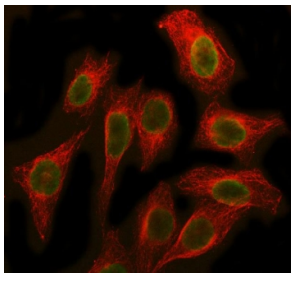
SBDS Antibody / Shwachman-Bodian-Diamond syndrome protein (RQ7423)

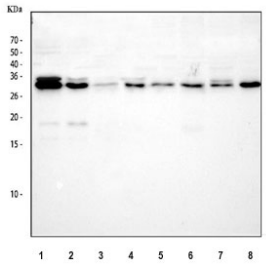
Catalog No.	Formulation	Size
RQ7423	0.5mg/ml if reconstituted with 0.2ml sterile DI water	100 ug

Bulk quote request

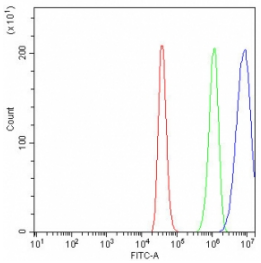
Availability	1-3 business days
Species Reactivity	Human, Mouse, Rat
Format	Antigen affinity purified
Host	Rabbit
Clonality	Polyclonal (rabbit origin)
Isotype	Rabbit IgG
Purity	Antigen affinity purified
Buffer	Lyophilized from 1X PBS with 2% Trehalose
UniProt	Q9Y3A5
Localization	Nuclear, cytoplasmic
Applications	Western blot: 0.5-1ug/ml Immunofluorescence: 5ug/ml Flow cytometry: 1-3ug/million cells Direct ELISA: 0.1-0.5ug/ml
Limitations	This SBDS antibody is available for research use only.



Immunofluorescent staining of FFPE human U-2 OS cells with SBDS antibody (green) and Beta Tubulin mAb (red). HIER: steam section in pH6 citrate buffer for 20 min.



Western blot testing of 1) human 293T, 2) human HepG2, 3) human HL60, 4) human SH-SY5Y, 5) rat brain, 6) rat lung, 7) mouse brain and 8) mouse lung tissue lysate with SBDS antibody. Predicted molecular weight ~29 kDa.



Flow cytometry testing of fixed and permeabilized human HEL cells with SBDS antibody at 1ug/million cells (blocked with goat sera); Red=cells alone, Green=isotype control, Blue= SBDS antibody.

Description

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.

Application Notes

Optimal dilution of the SBDS antibody should be determined by the researcher.

Immunogen

E. coli-derived recombinant human protein (amino acids R19-D241) was used as the immunogen for the SBDS antibody.

Storage

After reconstitution, the SBDS antibody can be stored for up to one month at 4oC. For long-term, aliquot and store at -20oC. Avoid repeated freezing and thawing.

Ordering: Phone: 858.663.9055 | Fax: 1.267.821.0800 | Email: info@nsjbio.com
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