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Datasheet for 600-401-DE7

NSA1 Antibody

Overview

Description:	Anti-NSA1 (RABBIT) Antibody - 600-401-DE7
Item No.:	600-401-DE7
Size:	100 µg
Applications:	ELISA, IF, IHC, WB
Reactivity:	Human, Mouse, Rat
Host Species:	Rabbit

Product Details

Background:	The yeast nucleolar protein NOP7 is necessary for the maturation of 66S preribosomes and interacts with numerous other proteins. One such protein is an essential, conserved WD repeat protein, NOP seven-associated protein 1 (NSA1), that is also required for the yeast 66S ribosome assembly. NSA1 is also associated with the AAA ATPase Rix7, and release of NSA1 from a novel late nucleolar pre-60S requires the Rix7 function. NSA1 has also been found upregulated in mammalian cancer cells, suggesting it may also play a role in cell proliferation.
Synonyms:	NSA1 Antibody, NSA1, WD repeat-containing protein 74, NOP seven-associated protein 1
Host Species:	Rabbit
Clonality:	Polyclonal
Format:	IgG

Target Details

Gene Name:	WDR74
Reactivity:	Human, Mouse, Rat
Immunogen Type:	Conjugated Peptide
Immunogen:	Anti-NSA1 antibody was prepared from whole rabbit serum produced by repeated immunizations with an 18 amino acid synthetic peptide near the C-terminus of human NSA1.
Purity/Specificity:	Anti-NSA1 Antibody was affinity purified from monospecific antiserum by immunoaffinity chromatography. Cross reactivity with NSA1 from other sources has not been determined.

Relevant Links:	• UniProtKB - Q6RFH5 • GeneID - 54663 • NCBI - Q6RFH5

Application Details

Tested Applications:	ELISA, IF, IHC, WB
Application Note:	Anti-NSA1 Antibody has been tested for use in ELISA, Western Blotting, Immunohistochemistry and Immunofluorescence. Specific conditions for reactivity should be optimized by the end user. Expect a band at approximately 42 kDa in Western Blots of specific cell lysates and tissues.
Assay Dilutions:	All assays should be optimized by the user. Recommended dilutions (if any) may be listed below.
ELISA:	1:10,000 - 1:20,000
IF:	20 µg/mL
IHC:	5 µg/mL
WB:	1-2 µg/mL

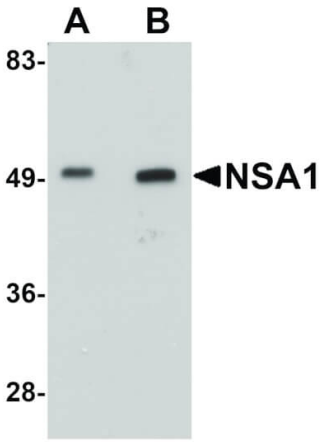
Formulation

Physical State:	Liquid (sterile filtered)
Concentration:	1 mg/mL by UV absorbance at 280 nm
Buffer:	0.01 M Sodium Phosphate, 0.25 M Sodium Chloride, pH 7.2
Preservative:	0.02% (w/v) Sodium Azide
Stabilizer:	None

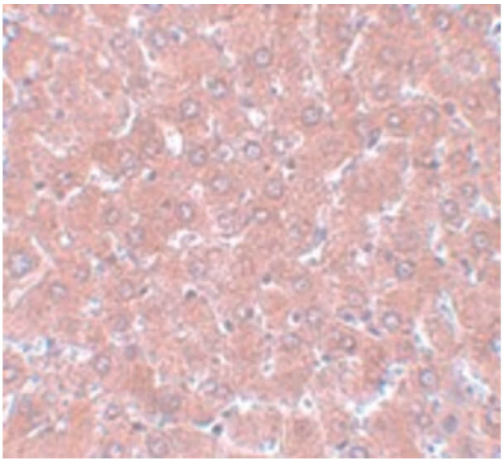
Shipping & Handling

Shipping Condition:	Dry Ice
Storage Condition:	Store vial at -20° C prior to opening. Aliquot contents and freeze at -20° C or below for extended storage. Avoid cycles of freezing and thawing. Centrifuge product if not completely clear after standing at room temperature. This product is stable for several weeks at 4° C as an undiluted liquid. Dilute only prior to immediate use.
Expiration:	Expiration date is one (1) year from date of receipt.

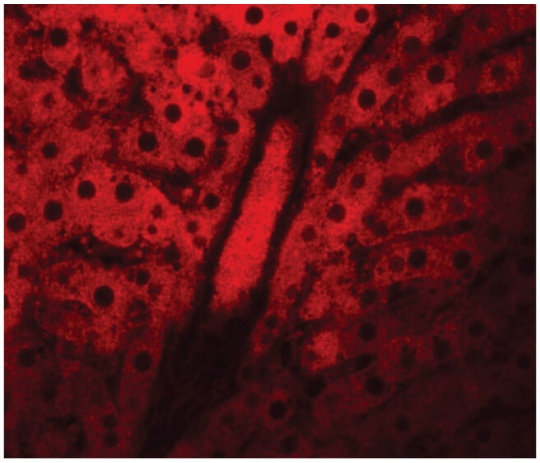
Images



Western Blot
Western Blot of NSA1 antibody. Lane 1: Mouse liver tissue lysate with NSA1 antibody at 1 µg/mL. Lane 2: Mouse liver tissue lysate with NSA1 antibody at 2 µg/mL. Secondary antibody: Peroxidase rabbit secondary antibody at 1:10,000 for 45 min at RT. Block: 5% BLOTTO overnight at 4°C. Predicted/Observed size: 42 kDa, 49 kDa for NSA1. Other band(s): NSA1 splice variants and isoforms.



Immunohistochemistry
Immunohistochemistry of NSA1 antibody. Tissue: Rat liver tissue Fixation: formalin fixed paraffin embedded. Antigen retrieval: not required. Primary antibody: NSA1 antibody at 5 µg/mL for 1 h at RT. Secondary antibody: Peroxidase rabbit secondary antibody at 1:10,000 for 45 min at RT. Localization: NSA1 is nuclear. Staining: NSA1 as precipitated pink signal with blue nuclear counterstain.



Immunofluorescence Microscopy
Immunofluorescence Microscopy of NSA1 antibody. Tissue: Rat liver tissue. Fixation: 0.5% PFA. Antigen retrieval: not required. Primary antibody: NSA1 antibody at 20 µg/mL for 1 h at RT. Secondary antibody: Fluorescein rabbit secondary antibody at 1:10,000 for 45 min at RT. Localization: NSA1 is nuclear. Staining: NSA1 as red fluorescent signal wtih black nuclear counterstain.

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Disclaimer

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