

Datasheet for 600-401-916**SPANX Antibody****Overview**

Description:	Anti-SPANX (pan) (RABBIT) Antibody - 600-401-916
Item No.:	600-401-916
Size:	100 µg
Applications:	ELISA, WB
Reactivity:	Human
Host Species:	Rabbit

Product Details

Background:	This antibody is designed, produced, and validated as part of a collaboration between Rockland and the National Cancer Institute (NCI) and is suitable for Cancer, Immunology and Nuclear Signaling research. Human Sperm Proteins Associated with the Nucleus on X-chromosome (SPANX) are relatively low molecular weight cytoplasmic proteins found in testis and sperm. Their expression in other tissues indicates malignancies. Family members are observed as proteins that range from 15 to 20 kDa.
Synonyms:	rabbit anti-SPANX antibody, SPANXC, SPANX-C, Sperm protein associated with the nucleus on the X chromosome C, Cancer-testis-associated protein CTP11 antibody, Cancer/testis antigen 11.3, CTP11 antibody, Nuclear associated protein SPAN Xc antibody, SPANX family member C antibody
Host Species:	Rabbit
Clonality:	Polyclonal
Format:	IgG

Target Details

Gene Name:	SPANXC
Reactivity:	Human
Immunogen Type:	Conjugated Peptide

Immunogen:	This affinity purified antibody was prepared from whole rabbit serum produced by repeated immunizations with a synthetic peptide corresponding to an internal region near amino acids 25-50 of human SPANX protein.
Purity/Specificity:	This affinity-purified antibody is directed against human SPANX proteins. The immunogen sequence is present within SPANX-A, SPANX-B, SPANX-C, SPANX-D and SPANX-N, but not present within SPANX-E. The product was affinity purified from monospecific antiserum by immunoaffinity purification. A BLAST analysis was used to suggest cross reactivity with SPANX proteins from gorilla and chimpanzee. Reactivity against homologues from other sources is not known.
Relevant Links:	• UniProtKB - Q9NY87 • NCBI - 57471638 • GeneID - 64663

Application Details

Tested Applications:	ELISA, WB
Application Note:	This affinity purified antibody has been tested for use in ELISA and by western blot. Specific conditions for reactivity should be optimized by the end user. Expect a band ~97kDa.
Assay Dilutions:	All assays should be optimized by the user. Recommended dilutions (if any) may be listed below.
ELISA:	1:10,000 - 1:50,000
WB:	1:500 - 1:3,000

Formulation

Physical State:	Liquid (sterile filtered)
Concentration:	1.0 mg/mL by UV absorbance at 280 nm
Buffer:	0.02 M Potassium Phosphate, 0.15 M Sodium Chloride, pH 7.2
Preservative:	0.01% (w/v) Sodium Azide
Stabilizer:	None

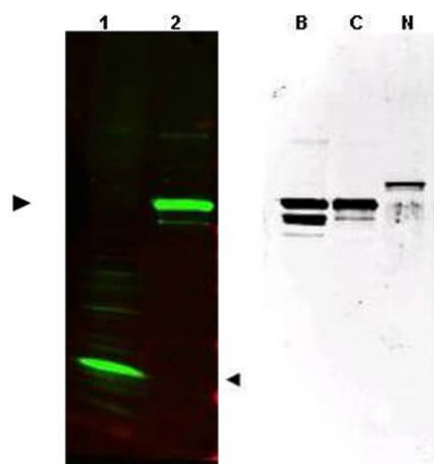
Shipping & Handling

Shipping Condition:	Dry Ice
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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 using Rockland's affinity purified anti-SPANX (pan) antibody shows detection of a band at ~17kDa corresponding to SPANX-C present in a nuclear extract from VWM105 cells in Lane 1. VWM105 cells are derived from a human melanoma and are positive for SPANX proteins. Lane 2 shows reactivity with a purified recombinant SPANX-C fusion protein ~97kDa. The right panel shows similar reactivity with purified recombinant SPANX-B, SPANX-C and SPANX-N proteins. Proteins were separated by SDS-PAGE, transferred to nitrocellulose, and probed with the primary antibody diluted to 1:1,000. IRDye800 conjugated Gt-a-Rabbit IgG [H&L] MX (p/n 611-132-122) was used (left). IRDye is a trademark of LI-COR, Inc. Size estimation was made by comparison to prestained MW markers. Personal Communication. Vladimir Larionov, NIH, CCR, Bethesda, MD.

Disclaimer

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