

Datasheet for 200-401-915**SPANX-C Antibody****Overview**

Description:	Anti-SPANX-C (RABBIT) Antibody - 200-401-915
Item No.:	200-401-915
Size:	500 µg
Applications:	IHC, 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-C antibody, Cancer-testis-associated protein CTP11 antibody, CTP11 antibody, Nuclear associated protein SPAN-Xc antibody, SPANX family member C antibody, Sperm protein associated with the nucleus on the X chromosome C, SPANX family member C1 antibody, SPANXC
Host Species:	Rabbit
Clonality:	Polyclonal
Format:	IgG

Target Details

Gene Name:	SPANXC
Reactivity:	Human
Immunogen Type:	Recombinant Protein
Immunogen:	This Protein A purified antibody was prepared from whole rabbit serum produced by repeated immunizations with full-length recombinant human SPANX-C protein.

Purity/Specificity: This Protein A purified antibody is directed against human SPANX-C protein. The product was purified from monospecific antiserum by protein A chromatography followed by exhaustive dialysis against the buffer stated above. A protein-protein BLAST analysis was used to suggest cross reactivity with most SPANX proteins from human, gorilla and chimpanzee. Reactivity against homologues from is not known.

Relevant Links:

- [UniProtKB - Q9NY87](#)
- [NCBI - 6977870](#)
- [GeneID - 64663](#)

Application Details

Tested Applications: IHC, WB

Application Note: This protein A purified antibody has been tested for use in ELISA, immunohistochemistry, and by western blot. Specific conditions for reactivity should be optimized by the end user. Expect a band approximately 15-20 kDa in size corresponding to SPANX family members by western blotting in the appropriate human tissue. Most human cell lines are SPANX negative.

Assay Dilutions: All assays should be optimized by the user. Recommended dilutions (if any) may be listed below.

ELISA: 1:5,000 - 1:20,000

IHC: 1.25-2.5 µg/ml

WB: 1:1,000 - 1:5,000

Formulation

Physical State: Lyophilized

Concentration: 5.0 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

Reconstitution Volume: 100 µL

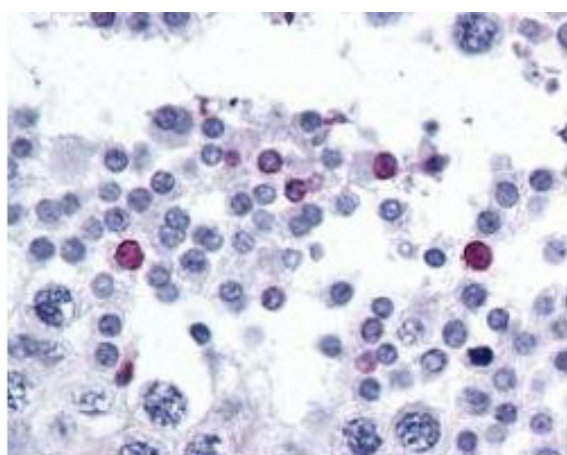
Reconstitution Buffer: Restore with deionized water (or equivalent)

Shipping & Handling

Shipping Condition: Ambient

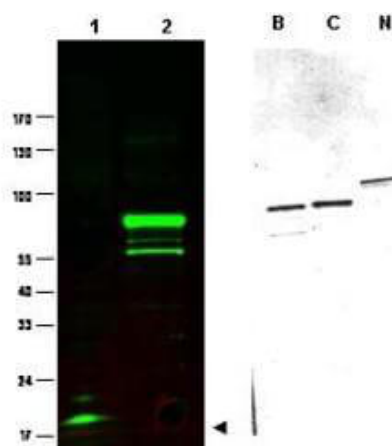
Storage Condition:	Store vial at 4° C prior to restoration. For extended storage aliquot contents and freeze at -20° C or below. Avoid cycles of freezing and thawing. Centrifuge product if not completely clear after standing at room temperature. This product is stable for several weeks at 4° C as an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

Images



Immunohistochemistry

Rockland's affinity purified anti-SPANX-C antibody was used at 2.5 µg/ml to detect signal in a variety of tissues including multi-human, multi-brain and multi-cancer slides. This image shows moderate positive staining of human sperm and spermatids at 60X. Tissue was formalin-fixed and paraffin embedded. The image shows localization of the antibody as the precipitated red signal, with a hematoxylin purple nuclear counterstain. Personal Communication, Tina Roush, LifeSpanBiosciences, Seattle, WA.



Western Blot

Western blot using Rockland's Protein A purified anti-SPANX-C antibody shows detection of a band at ~17 kDa corresponding to SPANX-C present in a nuclear extract from VWM105 cells (left panel, arrowhead). 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. 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. IRDye™800 conjugated Gt-a-Rabbit IgG [H&L] MX (611-132-122) was used (left). IRDye is a trademark of LI-COR, Inc. Size estimation was made by comparison to prestained MW markers as indicated. Personal Communication. Vladimir Larionov, NIH, CCR, Bethesda, MD.

Disclaimer

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