

Anti-SPANX-C Antibody

Catalog Number: A14601

About SPANXC

This antibody 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.

Overview

Product Name	Anti-SPANX-C Antibody
Reactive Species	Human
Description	Boster Bio Anti-SPANX-C Antibody (Catalog # A14601). Tested in ELISA, WB applications. This antibody reacts with Human.
Application	ELISA, WB
Clonality	Polyclonal
Formulation	0.02 M Potassium Phosphate, 0.15 M Sodium Chloride, pH 7.2, 0.01% (w/v) Sodium Azide
Storage Instructions	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 date is one (1) year from date of opening. (Ship on dry ice.)
Host	Rabbit
Uniprot ID	Q9NY87

Technical Details

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.
Predicted Reactive Species	Mouse, Rat
Isotype	IgG
Form	Liquid (sterile filtered)
Concentration	1.0 mg/mL by UV absorbance at 280 nm
Purification	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.

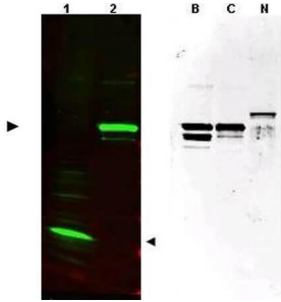
Suggested Dilutions

ELISA: 1:10,000 - 1:50,000

WB: 1:500 - 1:3,000

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.

Anti-SPANX-C Antibody (A14601) Images



Western blot using Boster'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 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.

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