Datasheet for ABIN1881824

anti-SPANXB1 antibody (AA 17-47)

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Overview

Quantity:	400 µL
Target:	SPANXB1
Binding Specificity:	AA 17-47
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This SPANXB1 antibody is un-conjugated
Application:	Western Blotting (WB)

Product Details

Immunogen:	This SPNXB antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 17-47 amino acids from the Central region of human SPNXB.
Clone:	RB42680
Isotype:	Ig Fraction
Purification:	This antibody is purified through a protein A column, followed by peptide affinity purification.

Target Details

Target:	SPANXB1
Abstract:	SPANXB1 Products
Background:	Temporally regulated transcription and translation of several testis-specific genes is required to

Target Details

	initiate the series of molecular and morphological changes in the male germ cell lineage necessary for the formation of mature spermatozoa. This gene is a member of the SPANX family of cancer/testis-associated genes, which are located in a cluster on chromosome X. The SPANX genes encode differentially expressed testis-specific proteins that localize to various subcellular compartments. This particular gene maps to chromosome X in a head-to-tail orientation with SPANX family member B1 and appears to be a duplication of that locus. The SPANXB genes are unique members of this gene family, since they contain an additional 18 nt in their coding region compared to the majority of family members. Although the protein encoded by this gene contains consensus nuclear localization signals, the major site for subcellular localization of expressed protein is in the cytoplasmic droplets of ejaculated spermatozoa. This protein provides a biochemical marker for studying the unique structures in spermatazoa, while attempting to further define its role in spermatogenesis.
Molecular Weight:	11840
NCBI Accession:	NP_115850, NP_620588, NP_663697
UniProt:	Q9NS25

Application Details

Application Notes:	WB: 1:1000
Restrictions:	For Research Use only

Handling

Format:	Liquid
Buffer:	Purified polyclonal antibody supplied in PBS with 0.09 % (W/V) sodium azide.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	4 °C,-20 °C
Expiry Date:	6 months

Publications

Product cited in:	Hansen, Eichler, Fullerton, Carrell: "SPANX gene variation in fertile and infertile males." in:

Publications

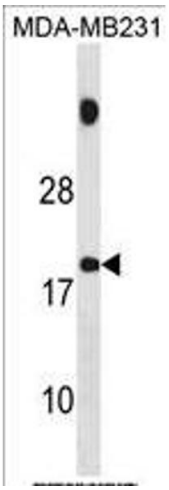
Systems biology in reproductive medicine, Vol. 55, pp. 18-26, (2010) (PubMed).

Hansen, Nielsen, Retelska, Larsen, Leffers: "A shared promoter region suggests a common ancestor for the human VCX/Y, SPANX, and CSAG gene families and the murine CYPT family." in: **Molecular reproduction and development**, Vol. 75, Issue 2, pp. 219-29, (2007) (PubMed).

Kouprina, Pavlicek, Noskov, Solomon, Otstot, Isaacs, Carpten, Trent, Schleutker, Barrett, Jurka, Larionov: "Dynamic structure of the SPANX gene cluster mapped to the prostate cancer susceptibility locus HPCX at Xq27." in: **Genome research**, Vol. 15, Issue 11, pp. 1477-86, (2005) (PubMed).

Zendman, Zschocke, van Kraats, de Wit, Kurpisz, Weidle, Ruiter, Weiss, van Muijen: "The human SPANX multigene family: genomic organization, alignment and expression in male germ cells and tumor cell lines." in: **Gene**, Vol. 309, Issue 2, pp. 125-33, (2003) (PubMed).

Images



Western Blotting

Image 1. SPNXB Antibody (Center) (ABIN1881824 and ABIN2839075) western blot analysis in MDA-M cell line lysates (35 µg/lane).This demonstrates the SPNXB antibody detected the SPNXB protein (arrow).