

DNAxPAb

Hard-to-Find
Antibody

SPANXB1 DNAxPab

Catalog # H00728695-W02P

Size 200 ug

Specification

Product Description	Rabbit polyclonal antibody raised against a full-length human SPANXB1 DNA using DNAx™ Immune technology.
Technology	DNAx™ Immune
Immunogen	Full-length human DNA
Sequence	MGQQSSVRRLKRSVPCESNEANEANEANKTMPETPTGDSDPQPAPKKMKTSESSTILVRYRR NVKRTSPEELVNDHARENRPDQMEEEEFIEITTERPKK
Host	Rabbit
Reactivity	Human
Purification	Protein A
Quality Control Testing	Antibody reactive against mammalian transfected lysate.
Storage Buffer	In 1x PBS, pH 7.4
Storage Instruction	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

Applications

- Western Blot (Transfected lysate)

[Protocol Download](#)

- Immunofluorescence (Transfected cell)
- Flow Cytometry (Transfected cell)

Gene Info — SPANXB1

Entrez GeneID [728695](#)

GeneBank Accession# [NM_032461.2](#)

Protein Accession# [NP_115850.1](#)

Gene Name SPANXB1

Gene Alias B1, SPANX-B, SPANXB

Gene Description SPANX family, member B1

Omim ID [300669](#)

Gene Ontology [Hyperlink](#)

Gene Summary Temporally regulated transcription and translation of several testis-specific genes is required to 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 B2, which appears to be a duplication of the B1 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 spermatozoa, while attempting to further define its role in spermatogenesis. [provided by RefSeq]

Other Designations OTTHUMP00000024171|nuclear-associated protein SPAN-Xb|sperm protein associated with the nucleus, X chromosome, family member B1

Disease

- [Azoospermia](#)
- [Infertility](#)
- [Oligospermia](#)