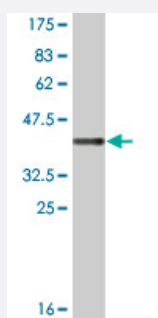


# SPANXB1 monoclonal antibody (M04A), clone 2E12

Catalog # H00728695-M04A

Size 200 uL

## Applications



Western Blot detection against Immunogen (37.07 KDa) .

## Specification

<b>Product Description</b>	Mouse monoclonal antibody raised against a full-length recombinant SPANXB1.
<b>Immunogen</b>	SPANXB1 (AAH34472, 1 a.a. ~ 103 a.a) full-length recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.
<b>Sequence</b>	MGQQSSVRRLKRSVPCESNEANEANEANKTMPETPTGSDPQPAPKKMKTSSESSTILVRYRR NVKRTSPEELVNDHARENRPDQMEEEFIEITTERPKK
<b>Host</b>	Mouse
<b>Reactivity</b>	Human
<b>Isotype</b>	IgM Kappa
<b>Quality Control Testing</b>	Antibody Reactive Against Recombinant Protein. Western Blot detection against Immunogen (37.07 KDa) .
<b>Storage Buffer</b>	In ascites fluid
<b>Storage Instruction</b>	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

## Applications

- Western Blot (Recombinant protein)

[Protocol Download](#)

- ELISA

## Gene Info — SPANXB1

Entrez GeneID [728695](#)

GeneBank Accession# [BC034472](#)

Protein Accession# [AAH34472](#)

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](#)