

## Product datasheet for **TA811401AM**

### **SPANXB1 Mouse Monoclonal Antibody (Biotin conjugated) [Clone ID: OTI6G2]**

#### **Product data:**

Product Type:	Primary Antibodies
Clone Name:	OTI6G2
Applications:	IHC, WB
Recommended Dilution:	WB 1:500~2000, IHC 1:500
Reactivity:	Human
Host:	Mouse
Isotype:	IgG1
Clonality:	Monoclonal
Immunogen:	Full length human recombinant protein of human SPANXB1 (NP_115850) produced in E.coli.
Formulation:	PBS (pH 7.3) containing 1% BSA, 50% glycerol and 0.02% sodium azide.
Concentration:	0.5 mg/ml
Purification:	Purified from mouse ascites fluids or tissue culture supernatant by affinity chromatography (protein A/G)
Conjugation:	Biotin
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Gene Name:	SPANX family member B1
Database Link:	<a href="#">NP_115850</a> <a href="#">Entrez Gene 728695 Human</a> <a href="#">Q9NS25</a>



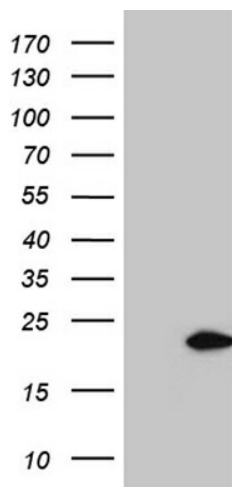
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**Background:**

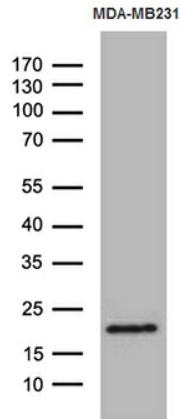
Temporally regulated transcription and translation of several testis-specific genes is required to initiate the series of molecular and morphological changes in the male germ cell lineage necessary for the formation of mature spermatozoa. This gene is a member of the SPANX family of cancer/testis-associated 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 family member contains an additional 18 nucleotides in its coding region compared to the other family members in the same gene cluster. This family member is also subject to gene copy number variation. 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, Apr 2014]

**Synonyms:**

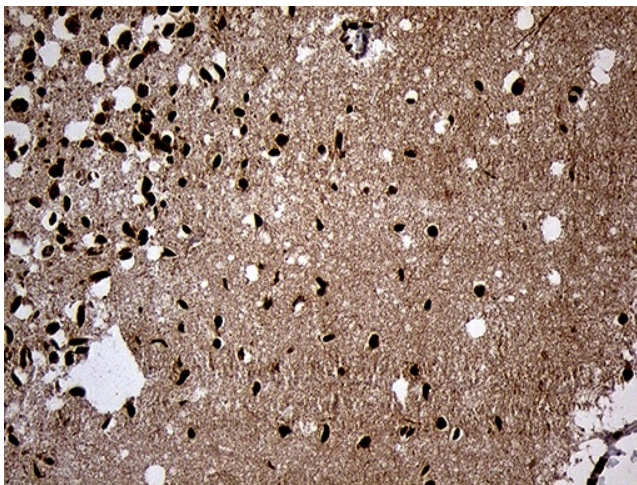
B1; CT11.2; SPANX-B; SPANXB; SPANXB2; SPANXF1; SPANXF2

**Product images:**

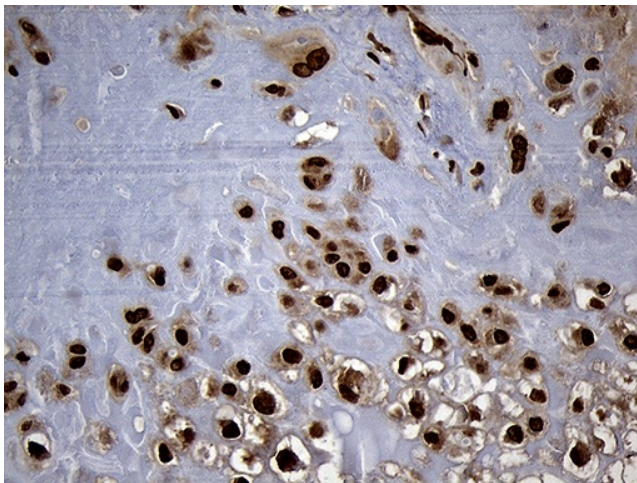
HEK293T cells were transfected with the pCMV6-ENTRY control (Cat# [PS100001], Left lane) or pCMV6-ENTRY SPANXB1 (Cat# [RC221009], Right lane) cDNA for 48 hrs and lysed. Equivalent amounts of cell lysates (5 ug per lane) were separated by SDS-PAGE and immunoblotted with anti-SPANXB1 (Cat# [TA811401])(1:2000). Positive lysates [LY410096] (100ug) and [LC410096] (20ug) can be purchased separately from OriGene.



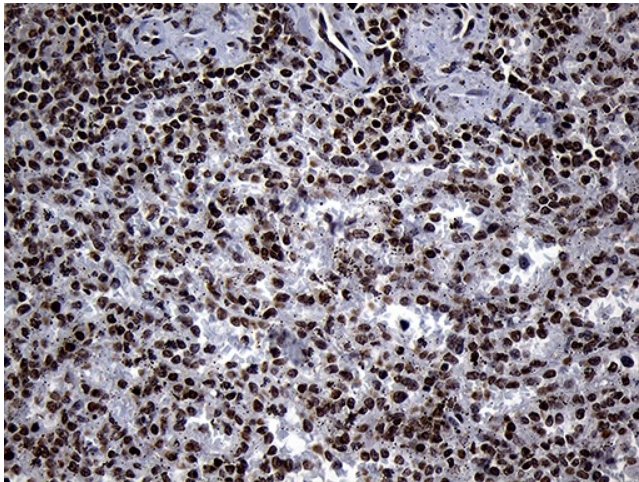
Western blot analysis of extracts (35ug) from MDA-MB231 cell line by using anti-SPANXB1 monoclonal antibody (1:500).



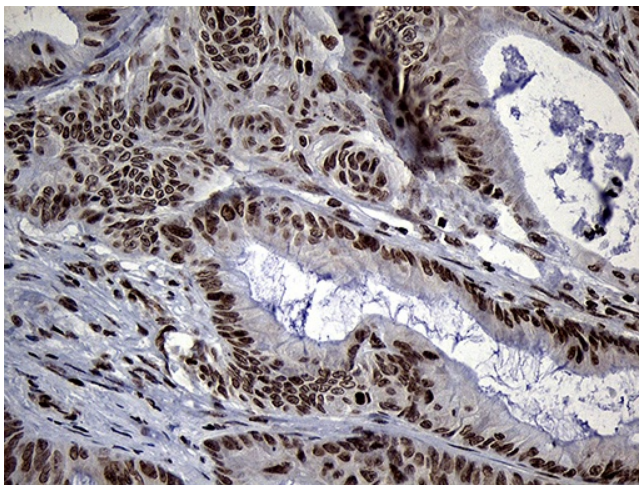
Immunohistochemical staining of paraffin-embedded Human adult brain tissue within the normal limits using anti-SPANXB1 mouse monoclonal antibody. (Heat-induced epitope retrieval by 1mM EDTA in 10mM Tris buffer (pH8.5) at 120°C for 3min, [TA811401]) (1:500)



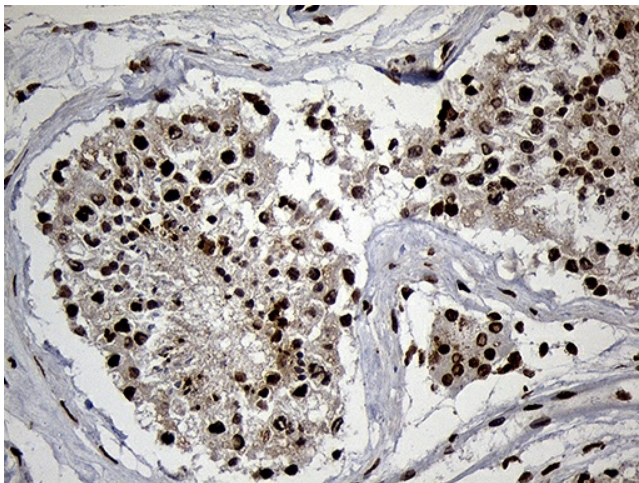
Immunohistochemical staining of paraffin-embedded Human placenta tissue within the normal limits using anti-SPANXB1 mouse monoclonal antibody. (Heat-induced epitope retrieval by 1mM EDTA in 10mM Tris buffer (pH8.5) at 120°C for 3min, [TA811401]) (1:500)



Immunohistochemical staining of paraffin-embedded Human spleen tissue within the normal limits using anti-SPANXB1 mouse monoclonal antibody. (Heat-induced epitope retrieval by 1mM EDTA in 10mM Tris buffer (pH8.5) at 120°C for 3min, [TA811401]) (1:500)



Immunohistochemical staining of paraffin-embedded Carcinoma of Human spleen tissue within the normal limits using anti-SPANXB1 mouse monoclonal antibody. (Heat-induced epitope retrieval by 1mM EDTA in 10mM Tris buffer (pH8.5) at 120°C for 3min, [TA811401]) (1:500)



Immunohistochemical staining of paraffin-embedded Human testicle tissue within the normal limits using anti-SPANXB1 mouse monoclonal antibody. (Heat-induced epitope retrieval by 1mM EDTA in 10mM Tris buffer (pH8.5) at 120°C for 3min, [TA811401]) (1:500)