

SPNXB Antibody (Center)

Catalog_no :	AB2038
Reactivity :	H
Category :	抗原抗体
Size :	100 μ L/50 μ L
Immunogen :	HUMAN:17-47
Specificity :	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.
Dilution :	WB,1:1000;
Purification :	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.
Other_name :	Sperm protein associated with the nucleus on the X chromosome B/F, Cancer/testis antigen 112, CT112, Nuclear-associated protein SPAN-Xb, SPANX-B, Nuclear-associated protein SPAN-Xf, SPANX-F, SPANX family member B/F, SPANXB1, SPANXB
Isotype :	Rabbit Ig
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 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.
reference :	Hansen, S., et al. Syst Biol Reprod Med 55, 18-26 (2010) : Hansen, M.A., et al. Mol. Reprod. Dev. 75(2):219-229(2008) Kouprina, N., et al. Genome Res. 15(11):1477-1486(2005) Ross, M.T., et al. Nature 434(7031):325-337(2005) Zendman, A.J., et al. Gene