



Anti-TXNDC2 (aa 5-114) polyclonal antibody (DPABH-18952)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Antigen Description	Probably plays a regulatory role in sperm development. May participate in regulation of fibrous sheath (FS) assembly by supporting the formation of disulfide bonds during sperm tail morphogenesis. May also be required to rectify incorrect disulfide pairing and generate suitable pairs between the FS constituents. Can reduce disulfide bonds in vitro in the presence of NADP and thioredoxin reductase.
Immunogen	antigen sequence: corresponding to N terminal amino acids 5-114 of Human TXNDC2.
Isotype	IgG
Source/Host	Rabbit
Species Reactivity	Human
Purification	Immunogen affinity purified
Conjugate	Unconjugated
Applications	ICC/IF, IHC-P
Format	Liquid
Size	100 µl
Buffer	pH: 7.20; Constituents: 59% PBS, 40% Glycerol
Preservative	0.02% Sodium Azide
Storage	Shipped at 4°C. Upon delivery aliquot and store at -20°C. Avoid freeze / thaw cycles.

GENE INFORMATION

Gene Name	TXNDC2 thioredoxin domain containing 3 (spermatozoa) [Homo sapiens]
Official Symbol	TXNDC2
Synonyms	TXNDC2; thioredoxin domain containing 2 (spermatozoa); SPTRX; SPTRX1; thioredoxin domain-containing protein 2; sptrx-1; sperm-specific thioredoxin 1; spermatid-specific thioredoxin-1; thioredoxin domain-containing 2 (spermatozoa);
Entrez Gene ID	84203
Protein Refseq	NP_001091999.1
UniProt ID	Q86VQ3
Function	nutrient reservoir activity; protein disulfide isomerase activity; protein disulfide oxidoreductase activity; thioredoxin-disulfide reductase activity