



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

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| 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

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| Gene Name | TXNDC2 thioredoxin domain containing 3 (spermatozoa) [Homo sapiens] |
| Official Symbol | TXNDC2 |
| Synonyms | TXNDC2; thioredoxin domain containing 2 (spermatozoa); S PTRX; S PTRX1; thioredoxin domain-containing protein 2; sprtx-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 |