

TCP11 Antibody (N-term) Blocking Peptide
Synthetic peptide
Catalog # BP9428a**Specification**

TCP11 Antibody (N-term) Blocking Peptide - Product InformationPrimary Accession [Q8WWU5](#)**TCP11 Antibody (N-term) Blocking Peptide - Additional Information****Gene ID** 6954**Other Names**

T-complex protein 11 homolog, TCP11

Format

Peptides are lyophilized in a solid powder format. Peptides can be reconstituted in solution using the appropriate buffer as needed.

Storage

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C.

Precautions

This product is for research use only. Not for use in diagnostic or therapeutic procedures.

TCP11 Antibody (N-term) Blocking Peptide - Protein Information**Name** TCP11**Function**

Plays a role in the process of sperm capacitation and acrosome reactions. Probable receptor for the putative fertilization- promoting peptide (FPP) at the sperm membrane that may modulate the activity of the adenylyl cyclase cAMP pathway.

Cellular Location

Membrane; Single-pass membrane protein. Cell projection, cilium, flagellum {ECO:0000250|UniProtKB:Q01755}. Cytoplasmic vesicle, secretory vesicle, acrosome {ECO:0000250|UniProtKB:Q01755}. Note=Localizes on the acrosomal cap region of acrosome-intact, but not acrosome-reacted sperm. Colocalizes with MROH2B and PRKACA on the acrosome and tail regions in round spermatids and spermatozoa regardless of the capacitation status of the sperm. {ECO:0000250|UniProtKB:Q01755}

Tissue Location

Isoform 2 and isoform 3 are expressed in sperm. Isoform 1 is not detected in sperm (at protein level) (PubMed:21597245). Testis-specific (PubMed:11756566). Isoform 1, isoform 2 and isoform 3 are expressed in sperm (PubMed:21597245)

TCP11 Antibody (N-term) Blocking Peptide - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Blocking Peptides](#)

TCP11 Antibody (N-term) Blocking Peptide - Images

TCP11 Antibody (N-term) Blocking Peptide - Background

TCP11 may play an important role in sperm function and fertility.

TCP11 Antibody (N-term) Blocking Peptide - References

Gudbjartsson, D.F., et al. Nat. Genet. 40(5):609-615(2008)Ma, Y.X., et al. Zhongguo Yi Xue Ke Xue Yuan Xue Bao 25(2):122-128(2003)Ma, Y., et al. Mol. Hum. Reprod. 8(1):24-31(2002)Fraser, L.R., et al. Mol. Reprod. Dev. 48(3):375-382(1997)