

**TSSK4 Antibody (C-term) Blocking peptide**  
**Synthetic peptide**  
**Catalog # BP11247b****Specification**

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**TSSK4 Antibody (C-term) Blocking peptide - Product Information**Primary Accession [Q6SA08](#)**TSSK4 Antibody (C-term) Blocking peptide - Additional Information****Gene ID** 283629**Other Names**

Testis-specific serine/threonine-protein kinase 4, TSK-4, TSSK-4, Testis-specific kinase 4, Serine/threonine-protein kinase 22E, TSSK4, C14orf20, STK22E, TSSK5

**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.

**TSSK4 Antibody (C-term) Blocking peptide - Protein Information****Name** TSSK4 ([HGNC:19825](#))**Function**

Serine/threonine kinase which is involved in male germ cell development and in mature sperm function (By similarity). May be involved in the Cre/Creb signaling pathway (By similarity). Phosphorylates CREB1 on 'Ser-133' in vitro and can stimulate Cre/Creb pathway in cells (PubMed:<a href="http://www.uniprot.org/citations/15964553" target="\_blank">15964553</a>). Phosphorylates CREM on 'Ser-116' in vitro (By similarity). Phosphorylates ODF2 on 'Ser-95' (By similarity).

**Cellular Location**

Cytoplasmic vesicle, secretory vesicle, acrosome {ECO:0000250|UniProtKB:Q9D411}. Cell projection, cilium, flagellum {ECO:0000250|UniProtKB:Q9D411}. Note=In spermatozoa, present in the sperm head and in the flagellum. {ECO:0000250|UniProtKB:Q9D411}

**Tissue Location**

Expressed only in the testis.

## **TSSK4 Antibody (C-term) Blocking peptide - Protocols**

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

- [Blocking Peptides](#)

## **TSSK4 Antibody (C-term) Blocking peptide - Images**

## **TSSK4 Antibody (C-term) Blocking peptide - Background**

This gene encodes a member of the testis-specific serine/threonine kinase family. The encoded protein is thought to be involved in spermatogenesis via stimulation of the CREB/CRE responsive pathway through phosphorylation of the cAMP responsive element binding protein transcription factor. Alternative splicing results in multiple transcript variants.

## **TSSK4 Antibody (C-term) Blocking peptide - References**

Aston, K.I., et al. Hum. Reprod. 25(6):1383-1397(2010) Su, D., et al. J. Androl. 29(4):374-378(2008) Zeng, M., et al. BMB Rep 41(4):300-304(2008) Matsuoka, S., et al. Science 316(5828):1160-1166(2007) Chen, X., et al. Biochem. Biophys. Res. Commun. 333(3):742-749(2005)