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TSSK4 Antibody (C-term) Blocking peptide

Synthetic peptide
Catalog # BP11247b

Specification

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:15964553). 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.

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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-specificserine/threonine kinase family. The encoded protein is thought tobe involved in spermatogenesis via stimulation of the CREB/CREresponsive pathway through phosphorylation of the cAMP responsiveelement binding protein transcription factor. Alternative splicingresults 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)