

Mouse Tssk4 Antibody (N-term) Blocking Peptide
Synthetic peptide
Catalog # BP14929a**Specification**

Mouse Tssk4 Antibody (N-term) Blocking Peptide - Product InformationPrimary Accession [O9D411](#)**Mouse Tssk4 Antibody (N-term) Blocking Peptide - Additional Information****Gene ID** 71099**Other Names**

Testis-specific serine/threonine-protein kinase 4, TSK-4, TSSK-4, Testis-specific kinase 4, Tssk4

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.

Mouse Tssk4 Antibody (N-term) Blocking Peptide - Protein Information**Name** Tssk4 {ECO:0000312|MGI:MGI:1918349}**Function**

[Isoform 1]: Serine/threonine kinase which is involved in male germ cell development and in mature sperm function (PubMed:17927909, PubMed:23599433, PubMed:23054012, PubMed:25361759, PubMed:26940607). May be involved in the Cre/Creb signaling pathway (PubMed:26940607). Phosphorylates CREB1 on 'Ser-133' in vitro and can stimulate Cre/Creb pathway in cells (By similarity). Phosphorylates CREM on 'Ser-116' in vitro (PubMed:26940607). Phosphorylates ODF2 on 'Ser-95' (PubMed:26961893).

Cellular Location

Cytoplasmic vesicle, secretory vesicle, acrosome. Cell projection, cilium, flagellum. Note=In spermatozoa, present in the sperm head and in the flagellum.

Tissue Location

[Isoform 1]: Expressed in spermatocytes and mature sperm (at protein level) (PubMed:20729278, PubMed:23054012, PubMed:25361759, PubMed:26940607). Highly expressed in the spleen, heart and testis (PubMed:17927909, PubMed:20729278, PubMed:23054012) Isoform 2, isoform 3, and isoform 4: Expressed at highest level in testis and heart and at low levels in the liver, spleen, kidney, brain and thymus (PubMed:17927909).

Mouse Tssk4 Antibody (N-term) Blocking Peptide - Protocols

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

- [Blocking Peptides](#)

Mouse Tssk4 Antibody (N-term) Blocking Peptide - Images**Mouse Tssk4 Antibody (N-term) Blocking Peptide - Background**

Tssk4 may be involved in a signaling pathway during male germ cell development or mature sperm function. Phosphorylates CREB1 on Ser-133 and stimulates downstream signaling (By similarity).

Mouse Tssk4 Antibody (N-term) Blocking Peptide - References

Wei, Y., et al. J. Biochem. Mol. Biol. 40(5):749-756(2007)