

Mouse Sgk196 Antibody (C-term) Blocking Peptide
Synthetic peptide
Catalog # BP14296b**Specification**

Mouse Sgk196 Antibody (C-term) Blocking Peptide - Product InformationPrimary Accession [Q3TUA9](#)**Mouse Sgk196 Antibody (C-term) Blocking Peptide - Additional Information****Gene ID** 74653**Other Names**

Protein O-mannose kinase, POMK, 271-, Protein kinase-like protein SgK196, Sugan kinase 196, Pomk, Sgk196

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 Sgk196 Antibody (C-term) Blocking Peptide - Protein Information**Name** Pomk**Synonyms** Sgk196**Function**

Protein O-mannose kinase that specifically mediates phosphorylation at the 6-position of an O-mannose of the trisaccharide (N-acetylgalactosamine (GalNAc)-beta-1,3-N-acetylglucosamine (GlcNAc)- beta-1,4-mannose) to generate phosphorylated O-mannosyl trisaccharide (N-acetylgalactosamine-beta-1,3-N-acetylglucosamine-beta-1,4- (phosphate-6-)mannose). Phosphorylated O-mannosyl trisaccharide is a carbohydrate structure present in alpha-dystroglycan (DAG1), which is required for binding laminin G-like domain-containing extracellular proteins with high affinity. Only shows kinase activity when the GalNAc-beta-3-GlcNAc-beta-terminus is linked to the 4-position of O- mannose, suggesting that this disaccharide serves as the substrate recognition motif (By similarity).

Cellular Location

Endoplasmic reticulum membrane; Single-pass type II membrane protein

Mouse Sgk196 Antibody (C-term) Blocking Peptide - Protocols

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

- [Blocking Peptides](#)

Mouse Sgk196 Antibody (C-term) Blocking Peptide - Images**Mouse Sgk196 Antibody (C-term) Blocking Peptide - Background**

Belongs to the protein kinase superfamily. Ser/Thr protein kinase family. STKL subfamily.

Mouse Sgk196 Antibody (C-term) Blocking Peptide - References

Zambrowicz, B.P., et al. Proc. Natl. Acad. Sci. U.S.A. 100(24):14109-14114(2003)