

FLJ23356 Antibody (C-term) Blocking peptide
Synthetic peptide
Catalog # BP11865b**Specification**

FLJ23356 Antibody (C-term) Blocking peptide - Product InformationPrimary Accession [Q9H5K3](#)**FLJ23356 Antibody (C-term) Blocking peptide - Additional Information****Gene ID** 84197**Other Names**

Protein O-mannose kinase, POMK, Protein kinase-like protein SgK196, Sugen 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.

FLJ23356 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.

Cellular Location

Endoplasmic reticulum membrane; Single-pass type II membrane protein

Tissue Location

Highest expression is observed in brain, skeletal muscle, kidney and heart in fetal and adult

tissues

FLJ23356 Antibody (C-term) Blocking peptide - Protocols

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

- [Blocking Peptides](#)

FLJ23356 Antibody (C-term) Blocking peptide - Images

FLJ23356 Antibody (C-term) Blocking peptide - Background

SGK196 belongs to the protein kinase superfamily. Ser/Thr protein kinase family. STKL subfamily

FLJ23356 Antibody (C-term) Blocking peptide - References

Barrios-Rodiles, M., et al. Science 307(5715):1621-1625(2005)