

OSTC Antibody (C-term) Blocking peptide
Synthetic peptide
Catalog # BP12431b**Specification**

OSTC Antibody (C-term) Blocking peptide - Product Information

Primary Accession [O9NRP0](#)
Other Accession [NP_067050.1](#)

OSTC Antibody (C-term) Blocking peptide - Additional Information

Gene ID 58505

Other Names

Oligosaccharyltransferase complex subunit OSTC, Hydrophobic protein HSF-28, OSTC

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.

OSTC Antibody (C-term) Blocking peptide - Protein Information

Name OSTC ([HGNC:24448](#))

Function

Specific component of the STT3A-containing form of the oligosaccharyl transferase (OST) complex that catalyzes the initial transfer of a defined glycan (Glc(3)Man(9)GlcNAc(2) in eukaryotes) from the lipid carrier dolichol-pyrophosphate to an asparagine residue within an Asn-X-Ser/Thr consensus motif in nascent polypeptide chains, the first step in protein N-glycosylation (PubMed:31831667). N-glycosylation occurs cotranslationally and the complex associates with the Sec61 complex at the channel-forming translocon complex that mediates protein translocation across the endoplasmic reticulum (ER). All subunits are required for a maximal enzyme activity. May be involved in N-glycosylation of APP (amyloid-beta precursor protein). Can modulate gamma-secretase cleavage of APP by enhancing endoproteolysis of PSEN1.

Cellular Location

Endoplasmic reticulum. Membrane; Multi-pass membrane protein

OSTC Antibody (C-term) Blocking peptide - Protocols

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

- [Blocking Peptides](#)

OSTC Antibody (C-term) Blocking peptide - Images

OSTC Antibody (C-term) Blocking peptide - References

Kalsi, G., et al. Hum. Mol. Genet. 19(12):2497-2506(2010)Shibatani, T., et al. Biochemistry 44(16):5982-5992(2005)