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OSTC Antibody (C-term)

Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP12431b

Specification

OSTC Antibody (C-term) - Product Information

Application	**WB,E**
Primary Accession	Q9NRP0
Other Accession	B0K025, Q78XF5, Q7ZWJ3, Q5ZJR3, Q2KID7, Q5M9B7, NP_067050.1
Reactivity	**Mouse**
Predicted	**Xenopus, Bovine, Chicken, Zebrafish, Rat**
Host	**Rabbit**
Clonality	**Polyclonal**
Isotype	**Rabbit IgG**
Calculated MW	**16829**
Antigen Region	**90-117**

OSTC Antibody (C-term) - Additional Information

Gene ID 58505

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

Target/Specificity
This OSTC antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 90-117 amino acids from the C-terminal region of human OSTC.

Dilution
WB~~1:1000

Format
Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.

Storage
Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

Precautions
OSTC Antibody (C-term) is for research use only and not for use in diagnostic or therapeutic procedures.

OSTC Antibody (C-term) - 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 endoprotelysis of PSEN1.

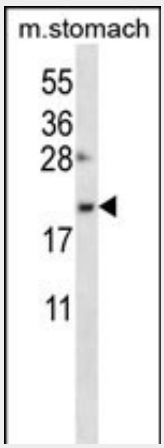
Cellular Location
Endoplasmic reticulum. Membrane; Multi-pass membrane protein

OSTC Antibody (C-term) - Protocols

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

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

OSTC Antibody (C-term) - Images



OSTC Antibody (C-term) (Cat. #AP12431b) western blot analysis in mouse stomach tissue lysates (35ug/lane).This demonstrates the OSTC antibody detected the OSTC protein (arrow).

OSTC Antibody (C-term) - References

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