10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

OSTC Antibody (Internal)
Rabbit Polyclonal Antibody
Catalog # ALS11183

Specification

OSTC Antibody (Internal) - Product Information

Application	**IHC**
Primary Accession	Q9NRP0
Reactivity	**Human, Mouse, Zebrafish, Hamster, Pig, Chicken, Xenopus, Dog**
Host	**Rabbit**
Clonality	**Polyclonal**
Calculated MW	**17kDa KDa**

OSTC Antibody (Internal) - Additional Information

Gene ID 58505

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

Target/Specificity
Human OSTC. BLAST analysis of the peptide immunogen showed no homology with other human proteins.

Reconstitution & Storage
Long term: -70°C; Short term: +4°C

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

OSTC Antibody (Internal) - 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.

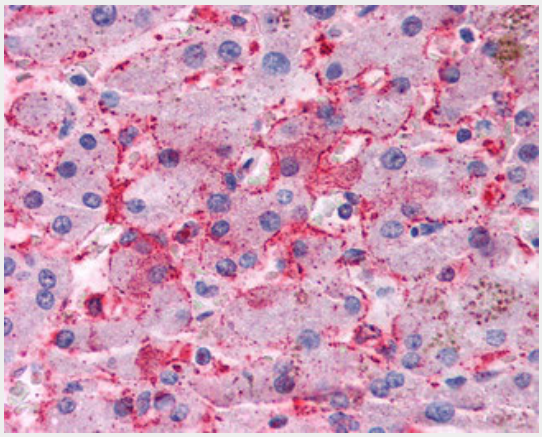
Cellular Location
Endoplasmic reticulum. Membrane; Multi-pass membrane protein

OSTC Antibody (Internal) - Protocols

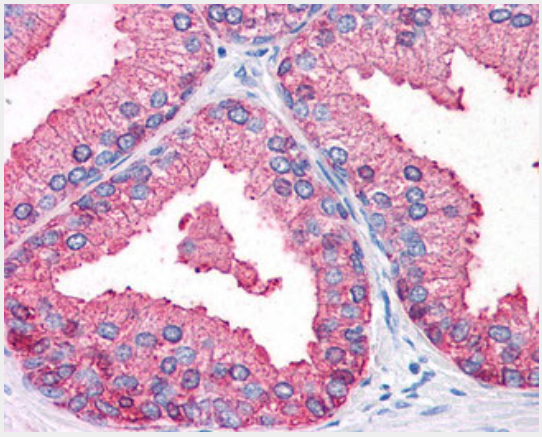
Provided below are standard protocols that you may find useful for product applications.

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

OSTC Antibody (Internal) - Images



Anti-OSTC antibody ALS11183 IHC of human liver.



Anti-OSTC antibody ALS11183 IHC of human prostate.

OSTC Antibody (Internal) - References

Favier A.-L.,et al.Submitted (JAN-2001) to the EMBL/GenBank/DDBJ databases.
Zhao Z.,et al.Submitted (MAY-1998) to the EMBL/GenBank/DDBJ databases.
Ye M.,et al.Submitted (MAY-1999) to the EMBL/GenBank/DDBJ databases.

Peng Y.,et al.Submitted (NOV-1999) to the EMBL/GenBank/DDBJ databases.
Brandenberger R.,et al.Nat. Biotechnol. 22:707-716(2004).