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OSTC Rabbit pAb

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Catalog # AP56736

Product Information

Application	IHC-P, IHC-F, IF
Primary Accession	Q9NRP0
Predicted	Rat, Pig, Dog, Human, Mouse, Rabbit, Zebrafish, Horse
Host	Rabbit
Clonality	Polyclonal
Calculated MW	16829
Physical State	Liquid
Immunogen	KLH conjugated synthetic peptide derived from human OSTC
Epitope Specificity	21-100/149
Isotype	IgG
Purity	affinity purified by Protein A
Buffer	0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.
SUBCELLULAR LOCATION	Membrane.
Important Note	This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.
Background Descriptions	Belongs to the OSTC family.

Additional Information

Gene ID	58505
Other Names	Oligosaccharyltransferase complex subunit OSTC, Hydrophobic protein HSF-28, OSTC (HGNC:24448)
Dilution	IHC-P=1:100-500,IHC-F=1:100-500,ICC/IF=1:100-500,IF=1:100-500,ELISA=1:5000-10000
Storage	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.

Protein Information

Name	OSTC (HGNC:24448)
Function	Subunit of STT3A-containing oligosaccharyl transferase (OST- A) 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:28860277, PubMed:31831667, PubMed:39509507). 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) (PubMed:28860277, PubMed:31831667, PubMed:39509507). Within the OST-A complex, acts as an adapter that anchors the OST-A complex to the Sec61 complex (PubMed:28860277). May be involved in N-glycosylation of APP (amyloid-beta precursor protein) (PubMed:21768116). Can modulate gamma-secretase cleavage of APP by enhancing endoprotelysis of PSEN1 (PubMed:21768116).
Cellular Location	Endoplasmic reticulum. Membrane; Multi-pass membrane protein

Background

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Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.