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OST4 Antibody - C-terminal region

Rabbit Polyclonal Antibody
Catalog # AI15258

Product Information

Application	WB
Primary Accession	P0C6T2
Other Accession	NM_001134693, NP_001128165
Reactivity	Human, Mouse, Rat, Zebrafish, Dog
Predicted	Human, Mouse, Rat, Zebrafish, Dog
Host	Rabbit
Clonality	Polyclonal
Calculated MW	4193

Additional Information

Gene ID	100128731
Alias Symbol	DKFZp586A0722
Other Names	Dolichyl-diphosphooligosaccharide--protein glycosyltransferase subunit 4, OST4
Format	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose.
Reconstitution & Storage	Add 50 ul of distilled water. Final anti-OST4 antibody concentration is 1 mg/ml in PBS buffer with 2% sucrose. For longer periods of storage, store at 20°C. Avoid repeat freeze-thaw cycles.
Precautions	OST4 Antibody - C-terminal region is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

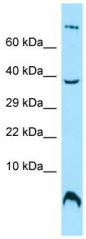
Name	OST4 (HGNC:32483)
Function	Subunit of the oligosaccharyl transferase (OST) complex that catalyzes the initial transfer of a defined glycan (Glc(3)Man(9)GlcNAc(2) in eukaryotes) from the lipid carrier dolichol- pyrophosphate to an asparagine residue within an Asn-X-Ser/Thr consensus motif in nascent 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. Specifically involved in maintaining stability of STT3A-containing OST complexes.

Cellular Location	Endoplasmic reticulum. Endoplasmic reticulum membrane; Single- pass type III membrane protein. Note=The single transmembrane helix has a kink in the middle of the transmembrane span

References

Hillier L.W.,et al.Nature 434:724-731(2005).
Gayen S.,et al.Biochem. Biophys. Res. Commun. 409:572-576(2011).

Images



WB Suggested Anti-OST4 Antibody Titration: 1.0 µg/ml
Positive Control: MCF7 Whole Cell

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