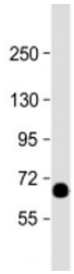
STT3A Antibody (F53973)

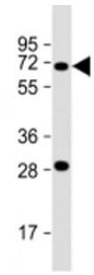
Catalog No.	Formulation	Size
F53973-0.2ML	In 1X PBS, pH 7.4, with 0.09% sodium azide	0.2 ml
F53973-0.05ML	In 1X PBS, pH 7.4, with 0.09% sodium azide	0.05 ml

Bulk quote request

Availability	1-3 business days
Species Reactivity	Human
Predicted Reactivity	Mouse, Bovine
Format	Antigen affinity purified
Clonality	Polyclonal (rabbit origin)
Isotype	Rabbit Ig
Purity	Antigen affinity
UniProt	P46977
Applications	Western Blot : 1:1000-2000
Limitations	This STT3A antibody is available for research use only.



Western blot testing of human placenta lysate with STT3A antibody at 1:2000. Predicted molecular weight: 81/69 kDa (isoforms 1/2).



Western blot testing of human K562 cell lysate with SST3A antibody at 1:2000. Predicted molecular weight: 81/69 kDa (isoforms 1/2).

Description

Dolichyl-diphosphooligosaccharide--protein glycosyltransferase subunit STT3A is the catalytic subunit of the N-oligosaccharyl transferase (OST) complex which catalyzes the transfer of a high mannose oligosaccharide from a lipid-linked oligosaccharide donor to an asparagine residue within an Asn-X-Ser/Thr consensus motif in nascent polypeptide chains. 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). SST3A seems to be involved in complex substrate specificity. STT3A is present in the majority of OST complexes and mediates cotranslational N-glycosylation of most sites on target proteins, while STT3B-containing complexes are required for efficient cotranslational glycosylation and mediate glycosylation of sites that have been skipped by STT3A.

Application Notes

Titration of the STT3A antibody may be required due to differences in protocols and secondary/substrate sensitivity.

Immunogen

A portion of amino acids 476-507 from the human protein was used as the immunogen for the STT3A antibody.

Storage

Aliquot the STT3A antibody and store frozen at -20oC or colder. Avoid repeated freeze-thaw cycles.