

STT3A Recombinant antibody

Catalog Number: 83077-4-RR

Basic Information

Catalog Number:

83077-4-RR

Size:

1000 µg/ml

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG31994

GenBank Accession Number:

BC020965

GeneID (NCBI):

3703

UNIPROT ID:

P46977

Full Name:STT3, subunit of the
oligosaccharyltransferase complex,
homolog A (*S. cerevisiae*)**Calculated MW:**

705 aa, 81 kDa

Purification Method:

Protein A purification

CloneNo.:

230426B10

Applications

Tested Applications:

ELISA

Species Specificity:

human

Background Information

STT3A, also named as Dolichyl-diphosphooligosaccharide--protein glycosyltransferase subunit STT3A, is a 705 amino acid protein, which belongs to the STT3 family. STT3A is expressed at high levels in placenta, liver, muscle and pancreas, and at very low levels in brain, lung and kidney. STT3A is a 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). STT3A 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 post-translational glycosylation and mediate glycosylation of sites that have been skipped by STT3A.

Storage

Storage:

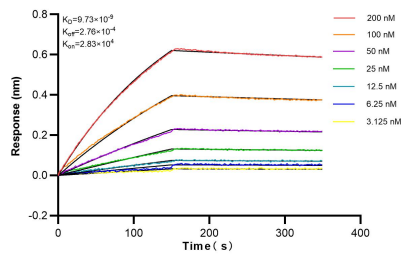
Store at -20°C. Stable for one year after shipment.

Storage Buffer:

PBS with 0.02% sodium azide and 50% glycerol pH 7.3.

Aliquoting is unnecessary for -20°C storage

Selected Validation Data



Biolayer interferometry (BLI) kinetic assays of 83077-4-RR against Human STT3A were performed. The affinity constant is 9.73 nM.