

For Research Use Only

STT3A Monoclonal antibody, PBS Only

Catalog Number: 66581-1-PBS

Featured Product



Basic Information

Catalog Number:

66581-1-PBS

Size:

1mg/ml

Source:

Mouse

Isotype:

IgG1

Immunogen Catalog Number:

AG27072

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

Observed MW:

65 kDa

Purification Method:

Protein G purification

CloneNo.:

1E2B12

Applications

Tested Applications:

WB, IHC, Indirect ELISA

Species Specificity:

human, mouse, rat

Background Information

STT3A, also named as Integral membrane protein 1, 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. 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. There are two isoforms of STT3A with molecular weight of 81 and 70 kDa. 66581-1-Ig antibody detects a protein around 65-70 kDa in SDS-PAGE which is similar to papers published. (PMID: 32005703, 25135935)

Storage

Storage:

Store at -80°C.

The product is shipped with ice packs. Upon receipt, store it immediately at -80°C

Storage Buffer:

PBS Only

For technical support and original validation data for this product please contact:

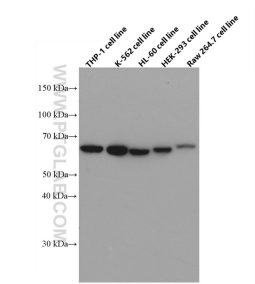
T: 4006900926

E: Proteintech-CN@ptglab.com

W: ptgcn.com

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 66581-1-Ig (STT3A antibody) at dilution of 1:3000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 66581-1-PBS in a different storage buffer formulation.

