

For Research Use Only

STT3B Monoclonal antibody

Catalog Number: 68496-1-Ig



Basic Information

Catalog Number:

68496-1-Ig

Size:

150ul, Concentration: 1000 ug/ml by Nanodrop;

Source:

Mouse

Isotype:

IgG1

Immunogen Catalog Number:

AG30866

GenBank Accession Number:

BC015880

GeneID (NCBI):

201595

UNIPROT ID:

Q8TCJ2

Full Name:

STT3, subunit of the oligosaccharyltransferase complex, homolog B (*S. cerevisiae*)

Calculated MW:

97 kDa

Observed MW:

94 kDa

Purification Method:

Protein G purification

CloneNo.:

3B7A8

Recommended Dilutions:

WB: 1:5000-1:50000

FC (Intra): 0.80 ug per 10⁶ cells in a 100 µl suspension

Applications

Tested Applications:

WB, FC (Intra), ELISA

Species Specificity:

human

Positive Controls:

WB : A549 cells, HeLa cells, HepG2 cells, Jurkat cells, K-562 cells

FC (Intra) : A431 cells,

Background Information

STT3B is a component of the N-oligosaccharyl transferase (OST) enzyme 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). STT3B seems to be involved in complex substrate specificity

Storage

Storage:

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

Storage Buffer:

PBS with 0.02% sodium azide and 50% glycerol, pH7.3

Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

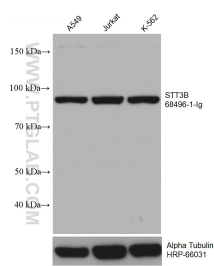
For technical support and original validation data for this product please contact:

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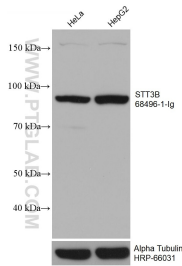
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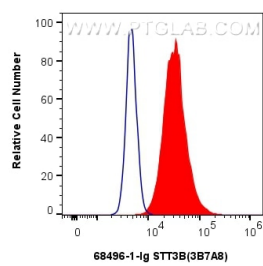
Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 68496-1-Ig (STT3B antibody) at dilution of 1:20000 incubated at room temperature for 1.5 hours. The membrane was stripped and reblotted with HRP-conjugated Alpha Tubulin Monoclonal antibody (HRP-66031) as loading control.



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1x10⁶ A431 cells were intracellularly stained with 0.8 ug STT3B Monoclonal antibody (68496-1-Ig, Clone:3B7A8) and Multi-rAb CoraLite[®] Plus 488-Goat Anti-Mouse Recombinant Secondary Antibody (H+L) (RGAM002)(red), or 0.8 ug Mouse IgG1 isotype control Mouse McAb (66360-1-Ig, Clone: 1F8D3) (blue). Cells were fixed with 4% PFA and permeabilized with Flow Cytometry Perm Buffer (PF00011-C).