

For Research Use Only

STT3A Monoclonal antibody, PBS Only



Catalog Number: 66581-1-PBS

Basic Information

Catalog Number: 66581-1-PBS	GenBank Accession Number: BC020965	Purification Method: Protein G purification
Size: 1 mg/ml	GeneID (NCBI): 3703	CloneNo.: 1E2B12
Source: Mouse	UNIPROT ID: P46977	
Isotype: IgG1	Full Name: STT3, subunit of the oligosaccharyltransferase complex, homolog A (<i>S. cerevisiae</i>)	
Immunogen Catalog Number: AG27072	Calculated MW: 705 aa, 81 kDa	
	Observed MW: 65 kDa	

Applications

Tested Applications:
WB, Indirect ELISA, IHC

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.

Storage Buffer:
PBS Only

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

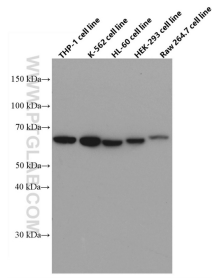
T: 4006900926

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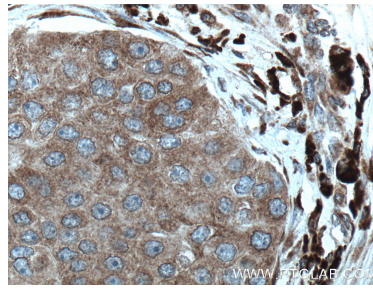
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Selected Validation Data



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.



Immunohistochemical analysis of paraffin-embedded human breast cancer tissue slide using 66581-1-Ig (STT3A antibody) at dilution of 1:200 (under 40x lens. Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0)). This data was developed using the same antibody clone with 66581-1-PBS in a different storage buffer formulation.