

For Research Use Only

STT3B Polyclonal antibody

Catalog Number: 15323-1-AP

Featured Product

10 Publications



Basic Information

Catalog Number:

15323-1-AP

Size:

150ul, Concentration: 650 µg/ml by Nanodrop and 380 µg/ml by Bradford method using BSA as the standard;

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG2039

GenBank Accession Number:

BC015880

GeneID (NCBI):

201595

Full Name:

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

Calculated MW:

97 kDa

Observed MW:

94 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

WB 1:1000-1:4000

IHC 1:50-1:500

IF 1:50-1:500

Applications

Tested Applications:

IF, IHC, WB, ELISA

Cited Applications:

IP, WB

Species Specificity:

human, mouse, rat

Cited Species:

human, mouse

Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0

Positive Controls:

WB: human brain tissue, mouse liver tissue, rat liver tissue

IHC: human liver tissue, human brain tissue

IF: HepG2 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

Notable Publications

Author	Pubmed ID	Journal	Application
Cecilia Lopez-Sambrooks	27694802	Nat Chem Biol	WB
Hsiang-Chi Huang	34839261	EBioMedicine	WB
Chuan Hua He	32402213	Am J Respir Cell Mol Biol	WB

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

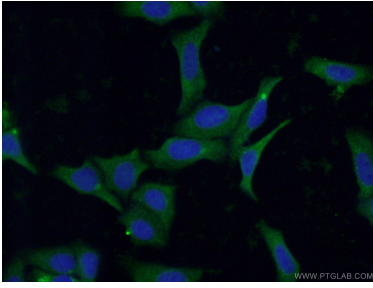
For technical support and original validation data for this product please contact:

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E: proteintech@ptglab.com
W: ptglab.com

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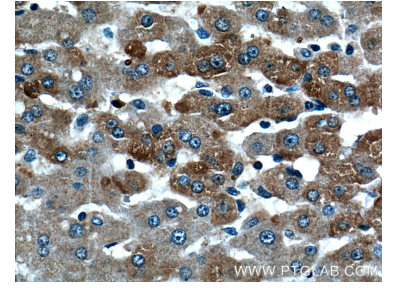
Selected Validation Data



Immunofluorescent analysis of (-20°C Ethanol) fixed HepG2 cells using 15323-1-AP (STT3B antibody) at dilution of 1:50 and Alexa Fluor 488-conjugated AffiniPure Goat Anti-Rabbit IgG(H+L).



human brain tissue were subjected to SDS PAGE followed by western blot with 15323-1-AP (STT3B antibody) at dilution of 1:2000 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded human liver tissue slide using 15323-1-AP (STT3B Antibody) at dilution of 1:200 (under 40x lens).