For Research Use Only

ST8SIA3 Polyclonal antibody

Catalog Number:18004-1-AP 2 Publications

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Basic Information

Catalog Number:
18004-1-AP

Concentration:
300 μg/ml

Source:
Rabbit

Isotype:
IgG

Immunogen Catalog Number:
AG12497

GenBank Accession Number:
BC074909

GeneID (NCBI):
51046

UNIPROT ID:
O43173

Full Name:
ST8 alpha-N-acetyl-neuraminide alpha-2,8-sialyltransferase 3

Calculated MW:
380 aa, 44 kDa

Observed MW:
44 kDa

Purification Method:
Antigen affinity purification

Recommended Dilutions:
WB: 1:500-1:2000
IHC: 1:20-1:200

Applications

Tested Applications:
WB, IHC, ELISA

Cited Applications:
WB, IF

Species Specificity:
human, mouse, rat

Cited Species:
human, rat

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 : A549 cells, mouse liver tissue, Caco-2 cells

IHC : human liver tissue, human skin tissue

Background Information

The ST8 α-N-acetyl-neuraminide α-2,8-sialyltransferase (ST8Sia) family catalyzes the synthesis of one or multiple α2,8-linked sialic acid chains according to their acceptor specifiificity (PMID:19888308). At least fifive ST8Sia enzymes (ST8SIA1, 2, 3, 4, and 6) have previously been identifiified in adult brains (PMID:11530204). The ST8SIA3 is enriched in the striatum. The mouse St8sia3 gene shares 96% amino acid identity with human ST8SIA3, and is mainly expressed in the brain and testis (PMID:31455764).

Notable Publications

Author	Pubmed ID	Journal	Application
Chengqing Huang	40345645	J Adv Res	WB
Md Ruhul Amin	39581502	Antiviral Res	IF

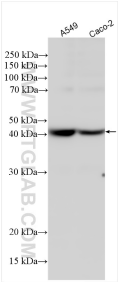
Storage

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

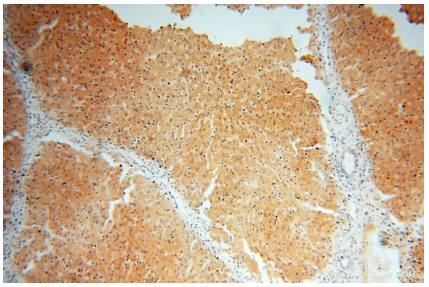
For technical support and original validation data for this product please contact:
T: 4006900926 E: Proteintech-CN@ptglab.com W: ptgcn.com

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

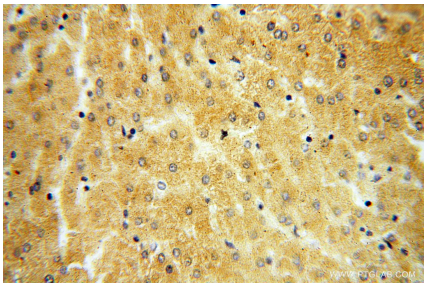
Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 18004-1-AP (ST8SIA3 antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded human liver using 18004-1-AP (ST8SIA3 antibody) at dilution of 1:50 (under 10x lens).



Immunohistochemical analysis of paraffin-embedded human liver using 18004-1-AP (ST8SIA3 antibody) at dilution of 1:50 (under 40x lens).