

For Research Use Only

ST8SIA3 Polyclonal antibody

Catalog Number: 18004-1-AP

1 Publications



Basic Information

Catalog Number:

18004-1-AP

Size:

150ul, Concentration: 300 ug/ml by Nanodrop;

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:

IF

Species Specificity:

human, mouse, rat

Cited Species:

human

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 α 2,8-linked sialic acid chains according to their acceptor specificity (PMID:19888308). At least five ST8Sia enzymes (ST8SIA1, 2, 3, 4, and 6) have previously been identified 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
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 pH 7.3.

Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

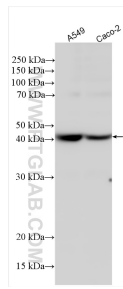
For technical support and original validation data for this product please contact:

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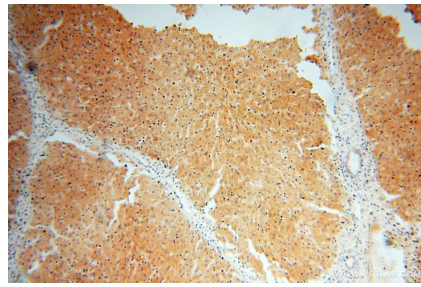
E: proteintech@ptglab.com
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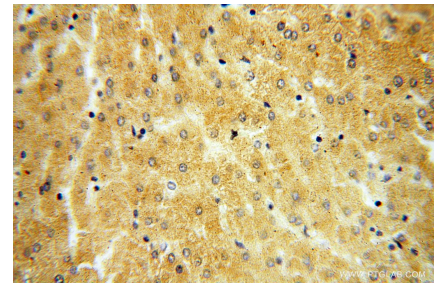
Selected Validation Data



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).