

For Research Use Only

# ST8SIA3 Polyclonal antibody

Catalog Number: 18004-1-AP



## Basic Information

|   |   |  |
|---|---|--|
| <b>Catalog Number:</b><br>18004-1-AP                          | <b>GenBank Accession Number:</b><br>BC074909                                      | <b>Purification Method:</b><br>Antigen affinity purification       |
| <b>Size:</b><br>150ul , Concentration: 300 µg/ml by Nanodrop; | <b>GeneID (NCBI):</b><br>51046  | <b>Recommended Dilutions:</b><br>WB 1:500-1:1000<br>IHC 1:20-1:200 |
| <b>Source:</b><br>Rabbit                                      | <b>Full Name:</b><br>ST8 alpha-N-acetyl-neuraminide alpha-2,8-sialyltransferase 3 |  |
| <b>Isotype:</b><br>IgG  | <b>Calculated MW:</b><br>380 aa, 44 kDa   |  |
| <b>Immunogen Catalog Number:</b><br>AG12497                   | <b>Observed MW:</b><br>44 kDa   |  |

## Applications

|  |   |
|--|---|
| <b>Tested Applications:</b><br>IHC, WB, ELISA    | <b>Positive Controls:</b>   |
| <b>Species Specificity:</b><br>human, mouse, rat | <b>WB :</b> mouse liver tissue,<br><b>IHC :</b> human liver tissue, human skin tissue |

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

## Background Information

The ST8  $\alpha$ -N-acetyl-neuraminide  $\alpha$ -2,8-sialyltransferase (ST8Sia) family catalyzes the synthesis of one or multiple  $\alpha$ 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).

## Storage

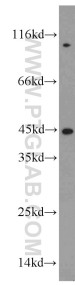
**Storage:**  
Store at -20°C. Stable for one year after shipment.  
**Storage Buffer:**  
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.  
Aliquoting is unnecessary for -20°C storage

\*\*\* 20ul sizes contain 0.1% BSA

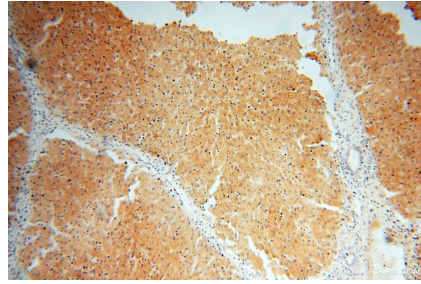
For technical support and original validation data for this product please contact:  
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)  
E: proteintech@ptglab.com  
W: ptglab.com

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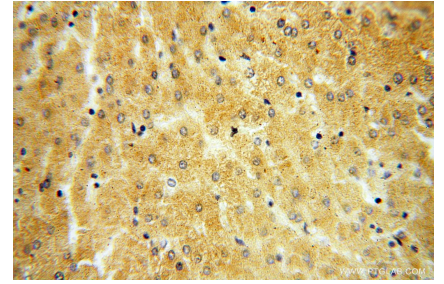
## Selected Validation Data



mouse liver tissue were subjected to SDS PAGE followed by western blot with 18004-1-AP (ST8SIA3 antibody) at dilution of 1:800 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).