

For Research Use Only

ST8SIA3 Polyclonal antibody

Catalog Number: 18004-1-AP



Basic Information

Catalog Number: 18004-1-AP	GenBank Accession Number: BC074909	Purification Method: Antigen affinity purification
Size: 300 µg/ml	GeneID (NCBI): 51046	Recommended Dilutions: WB 1:500-1:2000 IHC 1:20-1:200
Source: Rabbit	UNIPROT ID: O43173	
Isotype: IgG	Full Name: ST8 alpha-N-acetyl-neuraminide alpha-2,8-sialyltransferase 3	
Immunogen Catalog Number: AG12497	Calculated MW: 380 aa, 44 kDa	
	Observed MW: 44 kDa	

Applications

Tested Applications: IHC, WB, ELISA	Positive Controls:
Species Specificity: human, mouse, rat	WB: A549 cells, mouse liver tissue, Caco-2 cells
Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0	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).

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:

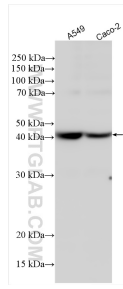
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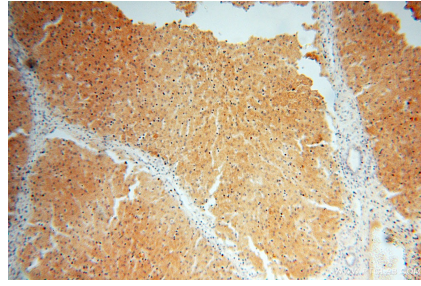
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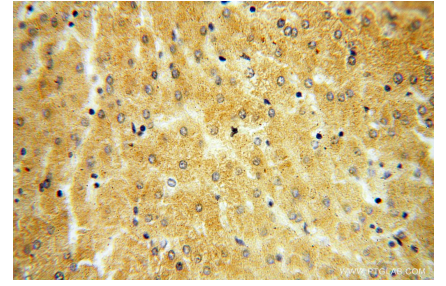
Selected Validation Data



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).