

For Research Use Only

# ST3GAL6 Polyclonal antibody

Catalog Number: 13154-1-AP

Featured Product

5 Publications



## Basic Information

### Catalog Number:

13154-1-AP

### Size:

150ul, Concentration: 300 ug/ml by Nanodrop and 187 ug/ml by Bradford method using BSA as the standard;

### Source:

Rabbit

### Isotype:

IgG

### Immunogen Catalog Number:

AG3782

### GenBank Accession Number:

BC023312

### GeneID (NCBI):

10402

### UNIPROT ID:

Q9Y274

### Full Name:

ST3 beta-galactoside alpha-2,3-sialyltransferase 6

### Calculated MW:

331 aa, 38 kDa

### Observed MW:

50-60 kDa

### Purification Method:

Antigen affinity purification

### Recommended Dilutions:

WB 1:1000-1:8000

IHC 1:50-1:500

## Applications

### Tested Applications:

WB, IHC, ELISA

### Cited Applications:

WB, IHC, IF

### Species Specificity:

human, mouse

### 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** : MCF-7 cells, human heart tissue, Sp2/O cells, human placenta tissue

**IHC** : human liver tissue, human urothelial carcinoma tissue

## Background Information

ST3GAL6, also named as SIAT10, belongs to the glycosyltransferase 29 family. ST3GAL6 is involved in the synthesis of sialyl-paragloboside, which is a precursor of sialyl-Lewis X determinant. ST3GAL6 has a alpha-2,3-sialyltransferase activity toward Gal-beta1,4-GlcNAc structure on glycoproteins and glycolipids. ST3GAL6 is known to promote cell adhesion and migration of multiple myeloma cells by increasing the synthesis of selectin ligands. ST3GAL6 has 2 isoforms with the molecular mass of 25 and 38 kDa. Sometimes higher molecular weight about 50-60 kDa can also be observed, which may be a glycosylated modified variant of ST3GAL6. (PMID: 31914669, 30220088)

## Notable Publications

Author	Pubmed ID	Journal	Application
Ming Yu	30220088	FEBS Lett	WB, IHC
Ying Shen	33649796	Int J Oncol	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 pH 7.3.

Aliquoting is unnecessary for -20°C storage

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

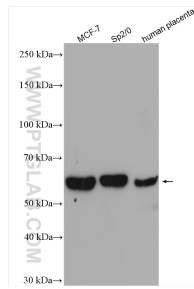
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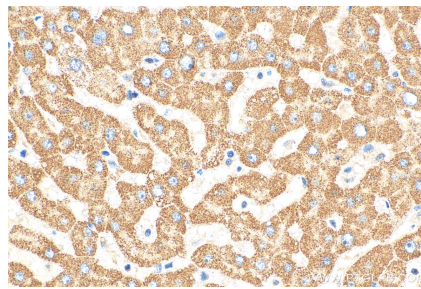
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## Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 13154-1-AP (ST3GAL6 antibody) at dilution of 1:4000 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded human liver tissue slide using 13154-1-AP (ST3GAL6 antibody) at dilution of 1:200 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).