

For Research Use Only

ST3GAL6 Polyclonal antibody

Catalog Number: 13154-1-AP **2 Publications**



Basic Information

Catalog Number: 13154-1-AP	GenBank Accession Number: BC023312	Purification Method: Antigen affinity purification
Size: 150ul , Concentration: 700 µg/ml by Nanodrop;	GeneID (NCBI): 10402	Recommended Dilutions: WB 1:1000-1:8000 IHC 1:50-1:500
Source: Rabbit	Full Name: ST3 beta-galactoside alpha-2,3-sialyltransferase 6	
IsoType: IgG	Calculated MW: 331 aa, 38 kDa	
Immunogen Catalog Number: AG3782	Observed MW: 50-60 kDa	

Applications

Tested Applications: IHC, WB, ELISA	Positive Controls:
Cited Applications: IHC, WB	WB: MCF-7 cells, human heart tissue, Sp2/0 cells, human placenta tissue
Species Specificity: human, mouse	IHC: human liver tissue,
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

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 an 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

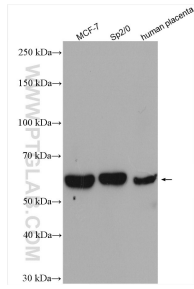
Storage

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

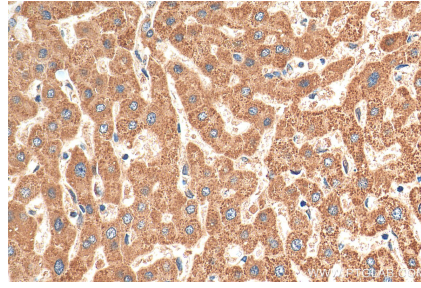
For technical support and original validation data for this product please contact:
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Selected Validation Data



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).