

For Research Use Only

ST3GAL2 Polyclonal antibody, PBS Only

Catalog Number: 13620-1-PBS



Basic Information

Catalog Number:

13620-1-PBS

Size:

100ug, Concentration: 1 mg/ml by Nanodrop;

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG4528

GenBank Accession Number:

BC036777

GeneID (NCBI):

6483

UNIPROT ID:

Q16842

Full Name:

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

Calculated MW:

350 aa, 40 kDa

Observed MW:

40-43 kDa

Purification Method:

Antigen affinity purification

Applications

Tested Applications:

WB, Indirect ELISA

Species Specificity:

human, mouse, rat

Background Information

Beta-galactoside alpha-2,3-sialyltransferase 2 (ST3GAL2) is a sialyltransferase (ST) that transfers sialic acid from the activated donor CMP-sialic acid to the glycan terminus of a glycolipid or glycoprotein. ST3GAL2 contains two putative N-glycosylation sites (Asn92 and Asn211), which are mainly responsible for GD1a and GT1b ganglioside biosynthesis in the brain. ST3GAL2 belongs to the sialyltransferase family, which mediates the terminal modification of glycoproteins and glycolipids. ST3GAL2 has been found to play a role in obesity, aging, and malignant diseases (PMID: 34319453). The calculated molecular weight of ST3GAL2 is 40 kDa.

Storage

Storage:

Store at -80°C.

Storage Buffer:

PBS only, pH7.3

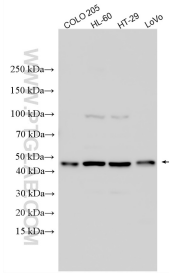
For technical support and original validation data for this product please contact:

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Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 13620-1-AP (ST3GAL2 antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 13620-1-PBS in a different storage buffer formulation.