For Research Use Only

B3GALT5 Polyclonal antibody

Catalog Number:33022-1-AP

proteintech®
Antibodies | ELISA kits | Proteins
www.ptglab.com

Basic Information

Catalog Number:
33022-1-AP

Size:
150ul , Concentration: 330 ug/ml by Nanodrop;

Source:
Rabbit

Isotype:
IgG

Immunogen Catalog Number:
AG37977

GenBank Accession Number:
BC104862

GeneID (NCBI):
10317

UNIPROT ID:
Q9Y2C3

Full Name:
UDP-Gal:betaGlcNAc beta 1,3-galactosyltransferase, polypeptide 5

Calculated MW:
310 aa, 36 kDa

Observed MW:
44 kDa

Purification Method:
Antigen affinity Purification

Recommended Dilutions:
WB: 1:5000-1:50000

Applications

Tested Applications:
WB, ELISA

Species Specificity:
human, mouse, rat

Positive Controls:

WB : HT-29 cells, mouse small intestine tissue, rat small intestine tissue

Background Information

B3GALT5 (β-1,3-galactosyltransferase 5) is a key glycosyltransferase enzyme. It is responsible for catalyzing the synthesis of the terminal glycan structure, the sialyl Lewis X antigen. This antigen serves as an important ligand for selectin family proteins, mediating cell adhesion in both physiological and pathological processes. Its core function lies in regulating cell migration. In immunology, it influences lymphocyte homing; in oncology, its aberrant upregulation promotes the synthesis of sLe^x, leading to the adhesion of cancer cells to vascular endothelium via the "selectin-ligand" recognition system. This represents a critical initial step in tumor hematogenous metastasis, such as to the liver or lungs.

Storage

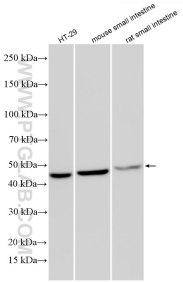
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol, pH7.3
Aliquoting is unnecessary for -20°C storage

***** 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

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 33022-1-AP (B3GALT5 antibody) at dilution of 1:15000 incubated at room temperature for 1.5 hours.