For Research Use Only

B4GALT6 Polyclonal antibody

Catalog Number:20148-1-AP Featured Product 6 Publications

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Basic Information

Catalog Number:
20148-1-AP

Size:
150ul , Concentration: 400 ug/ml by Nanodrop;

Source:
Rabbit

Isotype:
IgG

Immunogen Catalog Number:
AG13686

GenBank Accession Number:
BC074884

GeneID (NCBI):
9331

UNIPROT ID:
Q9UBX8

Full Name:
UDP-Gal:betaGlcNAc beta 1,4-galactosyltransferase, polypeptide 6

Calculated MW:
382 aa, 45 kDa

Observed MW:
45-60 kDa

Purification Method:
Antigen affinity purification

Recommended Dilutions:
WB: 1:500-1:1000
IHC: 1:20-1:200
IF/ICC: 1:10-1:100

Applications

Tested Applications:
WB, IHC, IF/ICC, ELISA

Cited Applications:
WB, IHC, IF

Species Specificity:
human, mouse, rat

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 : mouse heart tissue, mouse kidney tissue, HEK-293 cells, mouse brain tissue

IHC : human colon tissue, human brain tissue

IF/ICC : Hela cells,

Background Information

Beta-1,4-galactosyltransferase 6 (B4GALT6) is a member of the beta 4-galactosyltransferase family that catalyzes the biosynthesis of glycosphingolipids in UDP-dependent manner (PMID: 23744354). B4GALT6 in astrocytes boosts CNS inflammation and promote neurodegeneration during chronic CNS inflammation (PMID: 25216636).

Notable Publications

Author	Pubmed ID	Journal	Application
Lior Mayo	25216636	Nat Med	IF
Jiřina Procházková	32447053	Biochim Biophys Acta Mol Cell Biol Lipids	IHC
Thor Stein	41377989	Res Sq	IF

Storage

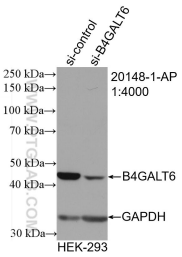
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol, pH7.3
Aliquoting is unnecessary for -20°C storage

*** 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

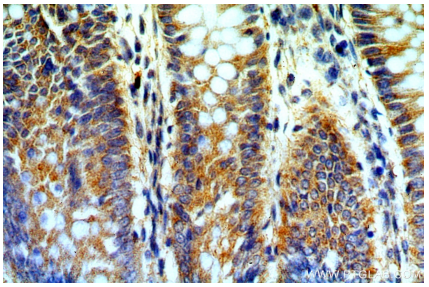
This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

Selected Validation Data

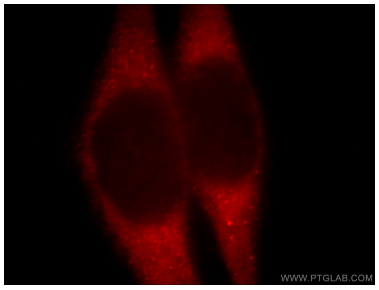


WB result of B4GALT6 antibody (20148-1-AP; 1:4000; incubated at room temperature for 1.5 hours) with sh-Control and sh-B4GALT6 transfected HEK-293 cells.

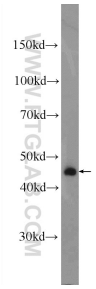
Immunohistochemical analysis of paraffin-embedded human colon using 20148-1-AP (B4GALT6 antibody) at dilution of 1:100 (under 10x lens).



Immunohistochemical analysis of paraffin-embedded human colon using 20148-1-AP (B4GALT6 antibody) at dilution of 1:100 (under 40x lens).



Immunofluorescent analysis of Hela cells, using B4GALT6 antibody 20148-1-AP at 1:25 dilution and Rhodamine-labeled goat anti-rabbit IgG (red).



mouse heart tissue were subjected to SDS PAGE followed by western blot with 20148-1-AP (B4GALT6 Antibody) at dilution of 1:600 incubated at room temperature for 1.5 hours.