

For Research Use Only

GALNT2 Polyclonal antibody

Catalog Number: 17441-1-AP

1 Publications



Basic Information

Catalog Number:

17441-1-AP

Size:

150ul, Concentration: 160 ug/ml by Nanodrop;

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG11523

GenBank Accession Number:

BC041120

GeneID (NCBI):

2590

UNIPROT ID:

Q10471

Full Name:

UDP-N-acetyl-alpha-D-galactosamine:polypeptide N-acetyltransferase 2 (GalNAc-T2)

Calculated MW:

571 aa, 65 kDa

Observed MW:

64 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

WB 1:500-1:3000

IHC 1:50-1:500

IF/ICC 1:200-1:800

Applications

Tested Applications:

WB, IHC, IF/ICC, ELISA

Cited Applications:

IHC

Species Specificity:

human, mouse

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

Positive Controls:

WB : A549 cells, HeLa cells, MKN-45 cells

IHC : mouse pancreas tissue, human colon tissue

IF/ICC : HeLa cells,

Background Information

GALNT2, a GalNAc-transferase involved in O-linked glycosylation, modulates the risk of atherogenic dyslipidemia, a specific hallmark of insulin resistance and acts as a positive modulator of insulin signaling in human liver cells by down-regulating ENPP1. GALNT2 gene encodes GalNAc-T2 as a regulator of high-density lipoprotein cholesterol (HDL-C) metabolism (PMID: 31040393, 27508872). Western blot analysis detected GALNT2 at an apparent molecular mass of 64 kDa.

Notable Publications

Author	Pubmed ID	Journal	Application
Xiaoxia Dong	37597090	Cell Biol Toxicol	IHC

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

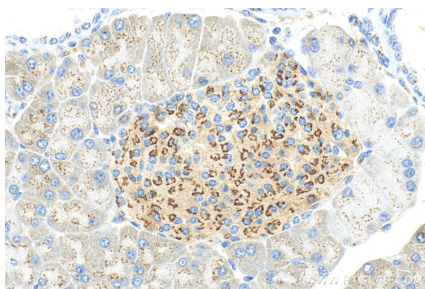
For technical support and original validation data for this product please contact:

T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)

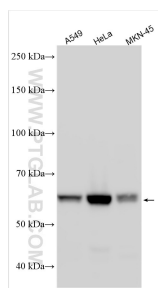
E: proteintech@ptglab.com
W: ptglab.com

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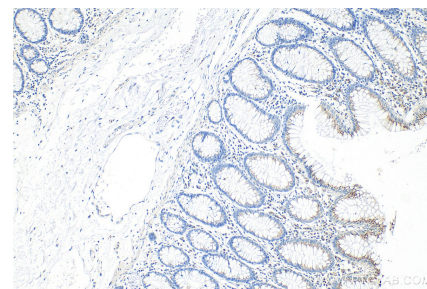
Selected Validation Data



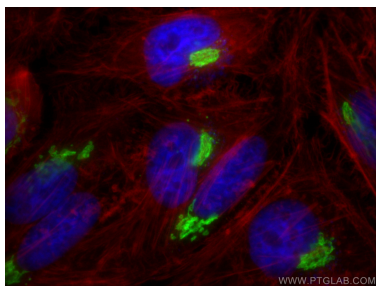
Immunohistochemical analysis of paraffin-embedded mouse pancreas tissue slide using 17441-1-AP (GALNT2 antibody) at dilution of 1:200 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



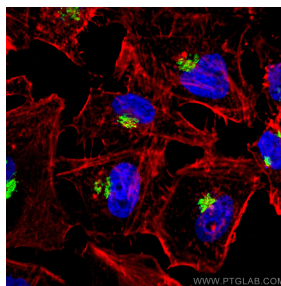
Various lysates were subjected to SDS PAGE followed by western blot with 17441-1-AP (GALNT2 antibody) at dilution of 1:1500 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded human colon tissue slide using 17441-1-AP (GALNT2 antibody) at dilution of 1:200 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunofluorescent analysis of (4% PFA) fixed HeLa cells using GALNT2 antibody (17441-1-AP) at dilution of 1:400 and Multi-rAb Coralite® Plus 488-Goat Anti-Rabbit Recombinant Secondary Antibody (H+L) (RGAR002), CL594-Phalloidin (red).



Immunofluorescent analysis of (4% PFA) fixed HeLa cells using GALNT2 antibody (17441-1-AP) at dilution of 1:200 and Multi-rAb Coralite® Plus 488-Goat Anti-Rabbit Recombinant Secondary Antibody (H+L) (RGAR002), CL594-Phalloidin (red).