

For Research Use Only

B3GNT6 Polyclonal antibody

Catalog Number: 21291-1-AP **4 Publications**



Basic Information

Catalog Number: 21291-1-AP	GenBank Accession Number: BC103910	Purification Method: Antigen affinity purification
Size: 150ul , Concentration: 600 µg/ml by Nanodrop;	GeneID (NCBI): 192134	Recommended Dilutions: WB 1:500-1:2000 IHC 1:50-1:500
Source: Rabbit	Full Name: UDP-GlcNAc:betaGal beta-1,3-N-acetylglucosaminyltransferase 6 (core 3 synthase)	
Isotype: IgG	Calculated MW: 384 aa, 43 kDa	
Immunogen Catalog Number: AG15825	Observed MW: 43 kDa	

Applications

Tested Applications: IHC, WB, ELISA	Positive Controls:
Cited Applications: IHC, WB	WB : mouse colon tissue, mouse small intestine tissue, mouse testis tissue
Species Specificity: human, mouse	IHC : human colon cancer tissue,
Cited Species: human, rat, mouse	

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

The B3GNT6 protein, also known as core 3 synthase, is a member of the O-GlcNAc transferase (OGT) family and adds an N-acetylglucosamine to N-acetylgalactosamine-modified serine or threonine. The B3GNT6 protein is responsible for the formation of the core 3 structure of O-glycans, which are important components of mucin-type glycoproteins. This process is known as the protein O-GlcNAcylation modification. B3GNT6 expression has been reported to be largely downregulated in gastric and colorectal cancers. B3GNT6 has 3 isoforms with the molecular mass of 29 and 43 kDa. (PMID: 35387659)

Notable Publications

Author	Pubmed ID	Journal	Application
Thomas G Biel	35402630	Mol Ther Methods Clin Dev	WB
J Ye	28745318	Oncogene	WB,IHC
Bo Peng	37455358	Int J Food Sci Nutr	WB

Storage

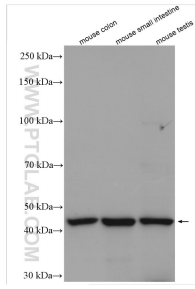
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

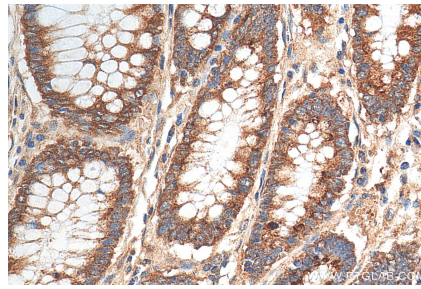
For technical support and original validation data for this product please contact:
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Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 21291-1-AP (B3GNT6 antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded human colon cancer tissue slide using 21291-1-AP (B3GNT6 antibody) at dilution of 1:100 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).