

For Research Use Only

# B3GNT6 Polyclonal antibody, PBS Only

Catalog Number: 21291-1-PBS



## Basic Information

Catalog Number:

21291-1-PBS

Size:

1 mg/ml

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG15825

GenBank Accession Number:

BC103910

GeneID (NCBI):

192134

UNIPROT ID:

Q6ZMBO

Full Name:

UDP-GlcNAc:betaGal beta-1,3-N-acetylglucosaminyltransferase 6 (core 3 synthase)

Calculated MW:

384 aa, 43 kDa

Observed MW:

43 kDa

Purification Method:

Antigen affinity purification

## Applications

Tested Applications:

WB, IHC, Indirect ELISA

Species Specificity:

human, mouse

## 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)

## Storage

Storage:

Store at -80°C.

**The product is shipped with ice packs. Upon receipt, store it immediately at -80°C**

Storage Buffer:

PBS Only

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

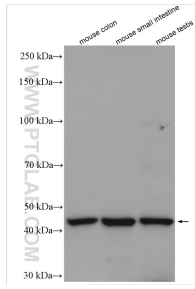
T: 4006900926

E: [Proteintech-CN@ptglab.com](mailto:Proteintech-CN@ptglab.com)

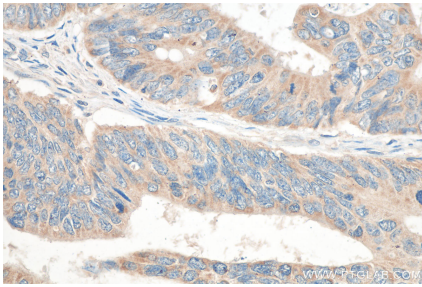
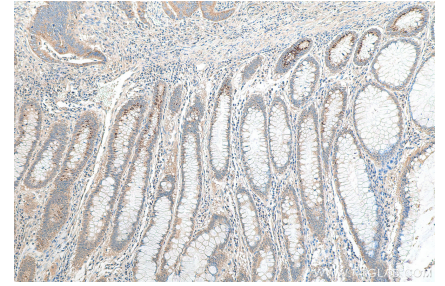
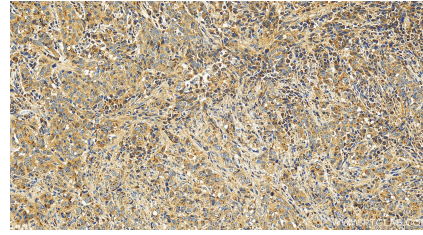
W: [ptgcn.com](http://ptgcn.com)

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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. This data was developed using the same antibody clone with 21291-1-PBS in a different storage buffer formulation.



Immunohistochemical analysis of paraffin-embedded human colon cancer tissue slide using 21291-1-AP (B3GNT6 antibody) at dilution of 1:200 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). This data was developed using the same antibody clone with 21291-1-PBS in a different storage buffer formulation.