

For Research Use Only

# B3GNT6 Polyclonal antibody, PBS Only

Catalog Number: 21291-1-PBS



## Basic Information

**Catalog Number:**

21291-1-PBS

**Size:**

100ug, Concentration: 1 mg/ml by Nanodrop;

**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.

**Storage Buffer:**

PBS Only

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

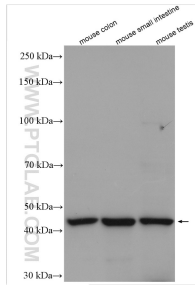
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E: [proteintech@ptglab.com](mailto:proteintech@ptglab.com)

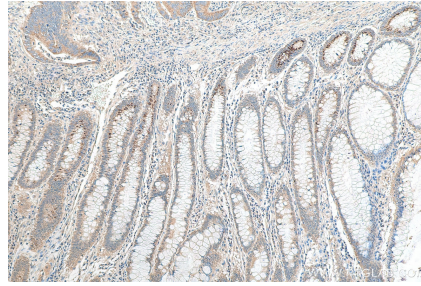
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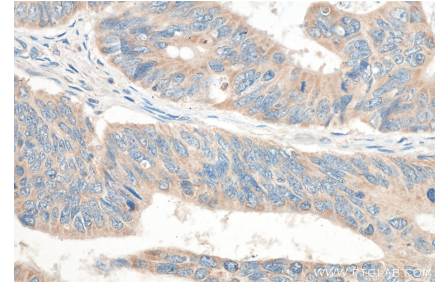
## Selected Validation Data



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 10x 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.



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.