

For Research Use Only

# GALNT12 Polyclonal antibody, PBS Only

Catalog Number: 16415-1-PBS



## Basic Information

**Catalog Number:**

16415-1-PBS

**Size:**

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

**Source:**

Rabbit

**Isotype:**

IgG

**Immunogen Catalog Number:**

AG9571

**GenBank Accession Number:**

BC013945

**GeneID (NCBI):**

79695

**UNIPROT ID:**

Q8IXK2

**Full Name:**

UDP-N-acetyl-alpha-D-galactosamine:polypeptide N-acetylgalactosaminyltransferase 12 (GalNAc-T12)

**Calculated MW:**

581 aa, 67 kDa

**Observed MW:**

67 kDa

**Purification Method:**

Antigen affinity purification

## Applications

**Tested Applications:**

WB, Indirect ELISA

**Species Specificity:**

human

## Background Information

Polypeptide N-acetylgalactosaminyl transferase 12 (GALNT12) belongs to the uridine diphosphate N-acetylgalactosamine gene family, which is involved in numerous biological processes of diseases, such as tumor progression. GALNT12 is highly expressed in the digestive tract and it is frequently downregulated in colorectal cancer (CRC) (PMID: 29095867). Genetic knockdown (KD) and knockout (KO) of GALNT12 in U87 MG, a representative GBM cell line with high GALNT12 expression, confirmed that GALNT12 deficiency leads to decreased cell proliferation, migration and invasion (PMID: 35461073).

## Storage

**Storage:**

Store at -80°C.

**Storage Buffer:**

PBS only, pH7.3

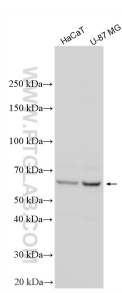
For technical support and original validation data for this product please contact:

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## Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 16415-1-AP (GALNT12 antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 16415-1-PBS in a different storage buffer formulation.