

For Research Use Only

# GALNT10 Polyclonal antibody

Catalog Number: 20822-1-AP



## Basic Information

### Catalog Number:

20822-1-AP

### Size:

150ul, Concentration: 300 ug/ml by Nanodrop;

### Source:

Rabbit

### Isotype:

IgG

### Immunogen Catalog Number:

AG14751

### GenBank Accession Number:

BC007224

### GeneID (NCBI):

55568

### UNIPROT ID:

Q86SR1

### Full Name:

UDP-N-acetyl-alpha-D-galactosamine:polypeptide N-acetyltransferase 10 (GalNAc-T10)

### Calculated MW:

603 aa, 69 kDa

### Observed MW:

62 kDa

### Purification Method:

Antigen affinity purification

### Recommended Dilutions:

WB 1:500-1:1000

IHC 1:50-1:500

## Applications

### Tested Applications:

WB, IHC, ELISA

### Species Specificity:

human, mouse

**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: SK-N-SH cells, HepG2 cells, mouse ovary tissue

IHC: human liver cancer tissue, human ovary tumor tissue

## Background Information

GALNT10 is a member of the N-acetylgalactosyltransferase family and an enzyme that catalyzes the first step in O-glycan synthesis. O-glycosylation is closely related to cell recognition, tumor cell growth, metastasis and adhesion. GALNT10 can change the cell connection and communication environment between cells, thus achieving specific biological effects. GALNT10 is highly expressed in many tumors and the tumor migration and invasion ability can be suppressed by inhibiting the expression of GALNT10 (PMID: 33275228). GALNT10 is a prognostic biomarker of high-grade ovarian serous cancer (HGSC) patients (PMID: 31853576). GALNT10 has 4 isoforms with the molecular mass of 32, 41, 62 and 69 kDa.

## 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

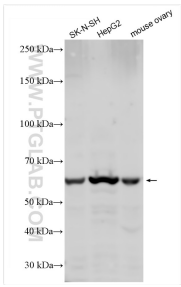
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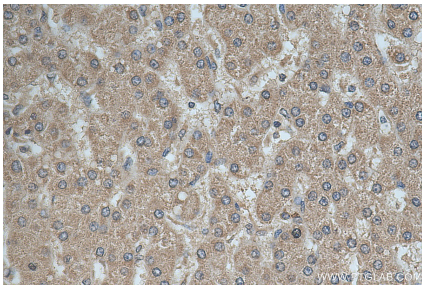
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# Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 20822-1-AP (GALNT10 antibody) at dilution of 1:500 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded human liver cancer tissue slide using 20822-1-AP (GALNT10 antibody) at dilution of 1:200 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).