

For Research Use Only

GCNT3 Polyclonal antibody, PBS Only

Catalog Number:17101-1-PBS



Basic Information

Catalog Number:

17101-1-PBS

Size:

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

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG10765

GenBank Accession Number:

BC017032

GeneID (NCBI):

9245

UNIPROT ID:

O95395

Full Name:

glucosaminyl (N-acetyl) transferase 3, mucin type

Calculated MW:

438 aa, 51 kDa

Observed MW:

51 kDa

Purification Method:

Antigen affinity purification

Applications

Tested Applications:

WB, IHC, Indirect ELISA

Species Specificity:

human

Background Information

Mucin-type core 2 1,6-N-acetylglucosaminyltransferase enzyme (C2GnT-M), encoded by the GCNT3 gene, has been reported to be altered in tumours and to possess tumour suppressor properties. GCNT3 is markedly expressed in both lung cancer tissues and BRCA tissues, and high GCNT3 levels correlate with poorer outcomes in patients undergoing radiotherapy (PMID: 25466507, 39697709). Elevated levels of GCNT3 promoted cell growth, migration, cell cycle development, and invasion, in addition to EMT, while suppressing apoptosis (PMID: 38789846).

Storage

Storage:

Store at -80°C.

Storage Buffer:

PBS only, pH7.3

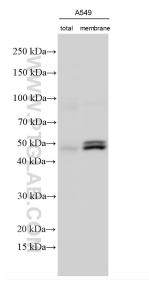
For technical support and original validation data for this product please contact:

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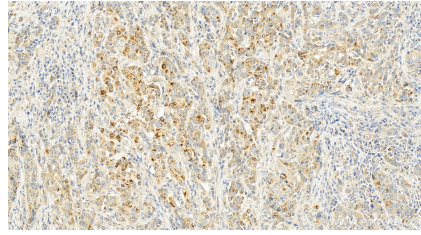
E: proteintech@ptglab.com
W: ptglab.com

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Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 17101-1-AP (GCNT3 antibody) at dilution of 1:500 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 17101-1-PBS in a different storage buffer formulation.



Immunohistochemical analysis of paraffin-embedded human stomach cancer tissue slide using 17101-1-AP (GCNT3 antibody) at dilution of 1:200 (under 20x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). This data was developed using the same antibody clone with 17101-1-PBS in a different storage buffer formulation.