

For Research Use Only

ALG3 Polyclonal antibody

Catalog Number: 28084-1-AP

1 Publications



Basic Information

Catalog Number:

28084-1-AP

Size:

500 µg/ml

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG26382

GenBank Accession Number:

BC002839

GeneID (NCBI):

10195

UNIPROT ID:

Q92685

Full Name:

asparagine-linked glycosylation 3,
alpha-1,3- mannosyltransferase
homolog (S. cerevisiae)

Calculated MW:

438 aa, 50 kDa

Observed MW:

50-60 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

WB 1:500-1:2000

IHC 1:50-1:500

Applications

Tested Applications:

IHC, WB, ELISA

Cited Applications:

WB, IF

Species Specificity:

Human, Mouse

Cited Species:

human

**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 : HeLa cells, MCF-7 cells, human placenta tissue,
mouse liver tissue

IHC : mouse placenta tissue,

Background Information

Alpha-1,3-mannosyltransferase (ALG3) encodes an endoplasmic reticulum-localized ALG3 family member that participates in N-glycan synthesis. ALG3 contributes to high mannose-type N-glycans in several cancers, and mannose-type N-glycan upregulation has been shown to be related to cancer progression. ALG3 is overexpressed in oral squamous cell carcinoma (PMID: 33084111), non-small cell lung cancer (PMID: 31899049), and breast cancer (PMID: 33931075) and hepatocellular carcinoma (PMID: 35782861).

Notable Publications

Author	Pubmed ID	Journal	Application
Zhixuan Wu	38820773	Comput Biol Med	WB,IF

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

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

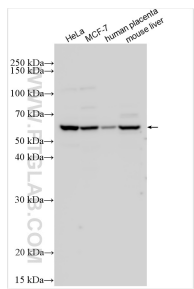
T: 4006900926

E: Proteintech-CN@ptglab.com

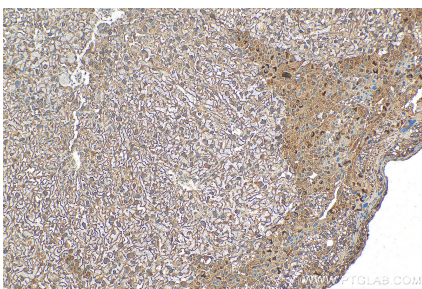
W: ptgcn.com

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

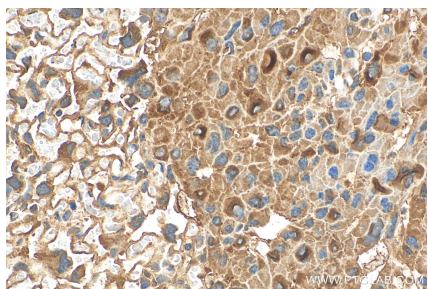
Selected Validation Data



HeLa cells were subjected to SDS PAGE followed by western blot with 28084-1-AP (ALG3 antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded mouse placenta tissue slide using 28084-1-AP (ALG3 antibody) at dilution of 1:200 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded mouse placenta tissue slide using 28084-1-AP (ALG3 antibody) at dilution of 1:200 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).