

For Research Use Only

ALG3 Polyclonal antibody

Catalog Number: 28084-1-AP

1 Publications



Basic Information

Catalog Number:

28084-1-AP

Size:

150ul, Concentration: 500 ug/ml by Nanodrop;

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:

WB, IHC, 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

*** 20ul sizes contain 0.1% BSA

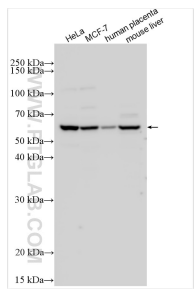
For technical support and original validation data for this product please contact:

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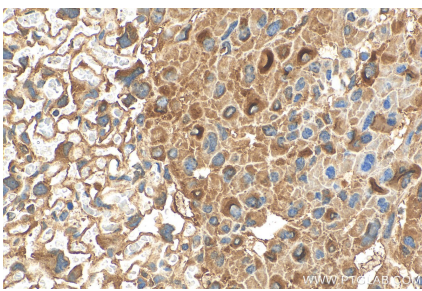
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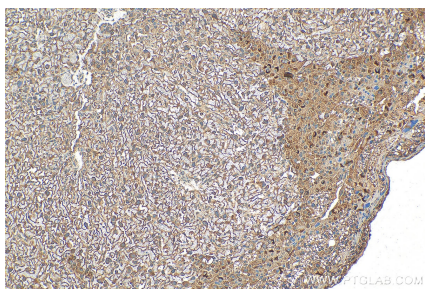
Selected Validation Data



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 40x 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 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).