

For Research Use Only

# ALG3 Polyclonal antibody

Catalog Number: 28084-1-AP



## Basic Information

<b>Catalog Number:</b> 28084-1-AP	<b>GenBank Accession Number:</b> BC002839	<b>Purification Method:</b> Antigen affinity purification
<b>Size:</b> 150ul , Concentration: 500 µg/ml by Nanodrop;	<b>GeneID (NCBI):</b> 10195	<b>Recommended Dilutions:</b> WB 1:500-1:2000 IHC 1:50-1:500
<b>Source:</b> Rabbit	<b>UNIPROT ID:</b> Q92685	
<b>Isotype:</b> IgG	<b>Full Name:</b> asparagine-linked glycosylation 3, alpha-1,3- mannosyltransferase homolog (S. cerevisiae)	
<b>Immunogen Catalog Number:</b> AG26382	<b>Calculated MW:</b> 438 aa, 50 kDa	
	<b>Observed MW:</b> 50-60 kDa	

## Applications

<b>Tested Applications:</b> IHC, WB, ELISA	<b>Positive Controls:</b>
<b>Species Specificity:</b> Human, Mouse	<b>WB :</b> HeLa cells, MCF-7 cells, human placenta tissue, mouse liver tissue
<b>Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0</b>	<b>IHC :</b> 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).

## Storage

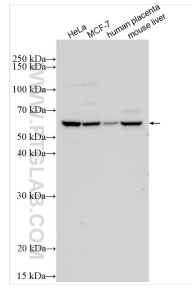
**Storage:**  
Store at -20°C. Stable for one year after shipment.  
**Storage Buffer:**  
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.  
Aliquoting is unnecessary for -20°C storage

\*\*\* 20ul sizes contain 0.1% BSA

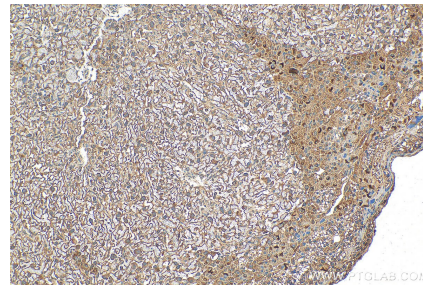
For technical support and original validation data for this product please contact:  
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)  
E: proteintech@ptglab.com  
W: ptglab.com

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

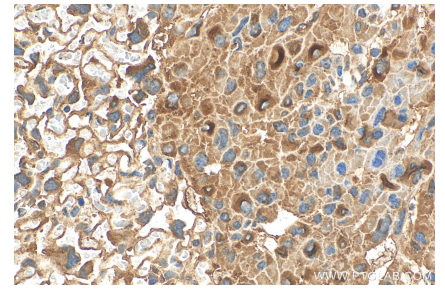
## Selected Validation Data



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).