

For Research Use Only

ALG3 Polyclonal antibody

Catalog Number: 28084-1-AP



Basic Information

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

Applications

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

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

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

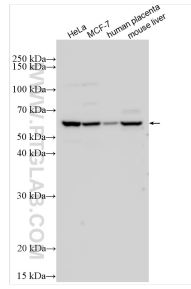
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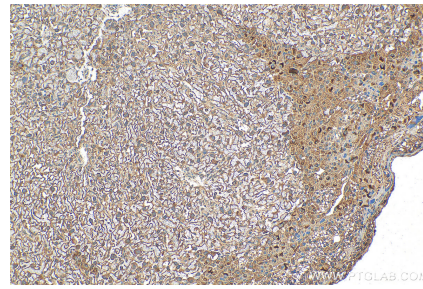
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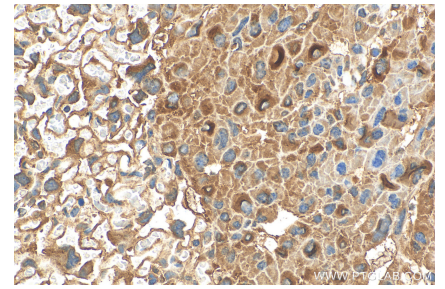
Selected Validation Data



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 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).