

For Research Use Only

# ALG5 Polyclonal antibody

Catalog Number: 16046-1-AP

1 Publications



## Basic Information

### Catalog Number:

16046-1-AP

### Size:

150ul , Concentration: 450 ug/ml by Nanodrop and 207 ug/ml by Bradford method using BSA as the standard;

### Source:

Rabbit

### Isotype:

IgG

### Immunogen Catalog Number:

AG8990

### GenBank Accession Number:

BC012531

### GeneID (NCBI):

29880

### UNIPROT ID:

Q9Y673

### Full Name:

asparagine-linked glycosylation 5, dolichyl-phosphate beta-glucosyltransferase homolog (S. cerevisiae)

### Calculated MW:

324 aa, 37 kDa

### Observed MW:

37 kDa

### Purification Method:

Antigen affinity purification

### Recommended Dilutions:

WB 1:500-1:1000

IHC 1:50-1:500

IF/ICC 1:20-1:200

## Applications

### Tested Applications:

WB, IHC, IF/ICC, ELISA

### Cited Applications:

WB, IHC, IF

### Species Specificity:

human, mouse, rat

### Cited Species:

human, mouse

### Positive Controls:

WB : human kidney tissue, mouse liver tissue

IHC : mouse liver tissue, human liver cancer tissue, human placenta tissue

IF/ICC : HEK-293 cells,

**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

Dolichyl-phosphate beta-glucosyltransferase(ALG5), belongs to the family of glycosyltransferases, specifically the hexosyltransferases. ALG5 is widely expressed in pancreas, placenta, liver, heart, brain, kidney, skeletal muscle, and lung. ALG5 can catalyze the chemical reaction between UDP-glucose and UDP with dolichyl phosphate.

## Notable Publications

Author	Pubmed ID	Journal	Application
Quanfeng Li	39760914	Cell Mol Life Sci	WB,IHC,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

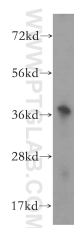
For technical support and original validation data for this product please contact:

T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)

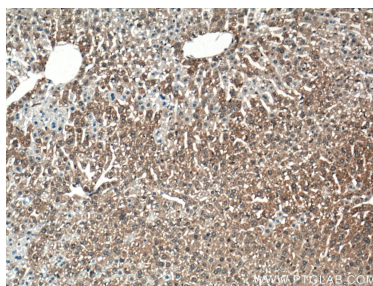
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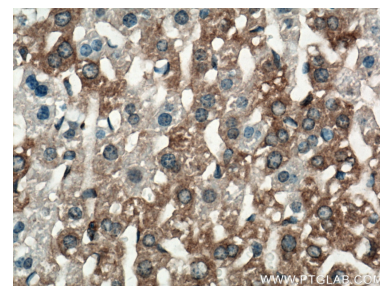
## Selected Validation Data



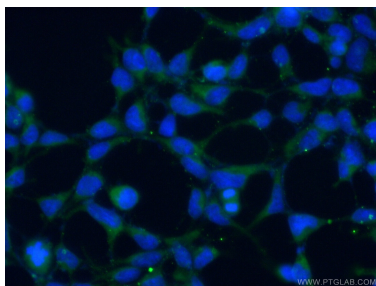
human kidney tissue were subjected to SDS PAGE followed by western blot with 16046-1-AP (ALG5 antibody) at dilution of 1:500 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded mouse liver tissue slide using 16046-1-AP (ALG5 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 liver tissue slide using 16046-1-AP (ALG5 antibody) at dilution of 1:200 (under 40x lens. Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunofluorescent analysis of (-20°C Ethanol) fixed HEK-293 cells using 16046-1-AP (ALG5 antibody) at dilution of 1:50 and Alexa Fluor 488-conjugated Goat Anti-Rabbit IgG(H+L).