

For Research Use Only

# AGL Polyclonal antibody

Catalog Number: 16582-1-AP

Featured Product

6 Publications



## Basic Information

### Catalog Number:

16582-1-AP

### Size:

150ul, Concentration: 500 ug/ml by Nanodrop and 333 ug/ml by Bradford method using BSA as the standard;

### Source:

Rabbit

### Isotype:

IgG

### Immunogen Catalog Number:

AG9962

### GenBank Accession Number:

BC078663

### GeneID (NCBI):

178

### UNIPROT ID:

P35573

### Full Name:

amylo-1, 6-glucosidase, 4-alpha-glucanotransferase

### Calculated MW:

1532 aa, 175 kDa

### Observed MW:

165 kDa

### Purification Method:

Antigen affinity purification

### Recommended Dilutions:

WB 1:1000-1:8000

IHC 1:50-1:500

## Applications

### Tested Applications:

WB, IHC, ELISA

### Cited Applications:

WB

### Species Specificity:

human, mouse, rat

### Cited Species:

human, mouse, rat

**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 : Jurkat cells, HEK-293 cells, mouse heart tissue, rat heart tissue

IHC : human heart tissue,

## Background Information

Amylo-alpha-1-6-glucosidase-4-alpha-glucanotransferase (AGL) (also known as glycogen debranching enzyme) is a critical bifunctional enzyme involved in glycogen metabolism.

## Notable Publications

Author	Pubmed ID	Journal	Application
Dong-Xue Ding	35281731	iScience	WB
Yujun Wan	34973794	Carbohydr Polym	WB
Louisa Jauze	38753465	JCI Insight	WB

## Storage

### Storage:

Store at -20°C. Stable for one year after shipment.

### Storage Buffer:

PBS with 0.02% sodium azide and 50% glycerol

Aliquoting is unnecessary for -20°C storage

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

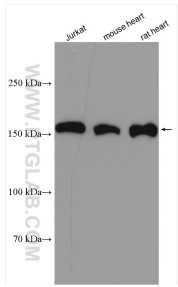
For technical support and original validation data for this product please contact:

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

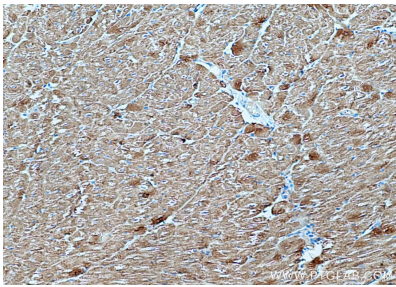
E: [proteintech@ptglab.com](mailto:proteintech@ptglab.com)  
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This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

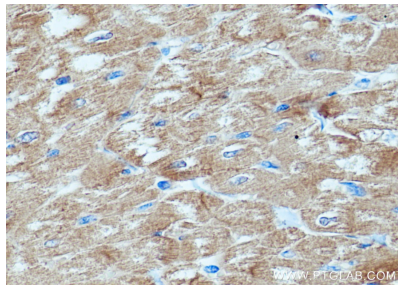
Selected Validation Data



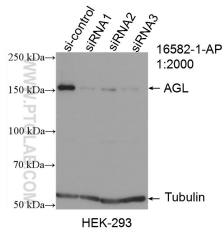
Various lysates were subjected to SDS PAGE followed by western blot with 16582-1-AP (AGL antibody) at dilution of 1:4000 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded human heart tissue slide using 16582-1-AP (AGL 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 human heart tissue slide using 16582-1-AP (AGL antibody) at dilution of 1:200 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



WB result of AGL antibody (16582-1-AP; 1:2000; incubated at room temperature for 1.5 hours) with sh-Control and sh-AGL transfected HEK-293 cells.