

For Research Use Only

# PIGS Polyclonal antibody

Catalog Number: 18334-1-AP **2 Publications**



## Basic Information

**Catalog Number:**

18334-1-AP

**Size:**

300 µg/ml

**Source:**

Rabbit

**Isotype:**

IgG

**Immunogen Catalog Number:**

AG12950

**GenBank Accession Number:**

BC001319

**GeneID (NCBI):**

94005

**UNIPROT ID:**

Q96S52

**Full Name:**

phosphatidylinositol glycan anchor biosynthesis, class S

**Calculated MW:**

62 kDa

**Observed MW:**

65-70 kDa

**Purification Method:**

Antigen Affinity purified

**Recommended Dilutions:**

WB 1:200-1:1000

IF/ICC 1:10-1:100

## Applications

**Tested Applications:**

IF/ICC, WB, ELISA

**Cited Applications:**

WB

**Species Specificity:**

human, mouse

**Cited Species:**

human, mouse

**Positive Controls:**

**WB:** HeLa cells, A549 cells, HepG2 cells, mouse liver tissue, PC-3 cells

**IF/ICC:** HepG2 cells,

## Background Information

PIGS, also named as GPI transamidase component PIG-S or PRO4316, is a 555 amino acid protein, which belongs to the PIGS family. PIGS localizes in the endoplasmic reticulum membrane. PIGS is a component of the GPI transamidase complex. It is essential for transfer of GPI to proteins, particularly for formation of carbonyl intermediates.

## Notable Publications

| Author          | Pubmed ID | Journal     | Application |
|-----------------|-----------|-------------|-------------|
| Takahiro Nakane | 30898876  | J Biol Chem | WB          |
| Xiaoqiong Wei   | 38253565  | Nat Commun  | WB          |

## 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:

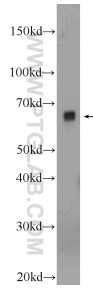
T: 4006900926

E: [Proteintech-CN@ptglab.com](mailto:Proteintech-CN@ptglab.com)

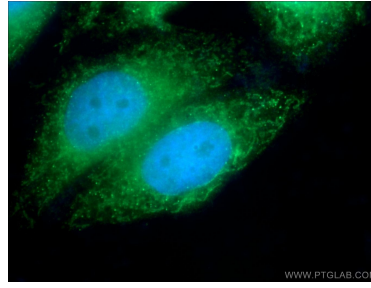
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## Selected Validation Data



HeLa cells were subjected to SDS PAGE followed by western blot with 18334-1-AP (PIGS Antibody) at dilution of 1:300 incubated at room temperature for 1.5 hours.



Immunofluorescent analysis of HepG2 cells using 18334-1-AP (PIGS antibody) at dilution of 1:25 and Alexa Fluor 488-conjugated Goat Anti-Rabbit IgG(H+L).