

For Research Use Only

# GIMAP7 Polyclonal antibody

Catalog Number: 17293-1-AP

Featured Product

3 Publications



## Basic Information

### Catalog Number:

17293-1-AP

### Size:

150ul, Concentration: 400 ug/ml by Nanodrop and 247 ug/ml by Bradford method using BSA as the standard;

### Source:

Rabbit

### Isotype:

IgG

### Immunogen Catalog Number:

AG11171

### GenBank Accession Number:

BC027613

### GeneID (NCBI):

168537

### UNIPROT ID:

Q8NHV1

### Full Name:

GTPase, IMAP family member 7

### Calculated MW:

300 aa, 35 kDa

### Observed MW:

34 kDa

### Purification Method:

Antigen affinity purification

### Recommended Dilutions:

WB 1:500-1:3000

IP 0.5-4.0 ug for 1.0-3.0 mg of total protein lysate

IF/ICC 1:10-1:100

## Applications

### Tested Applications:

WB, IF/ICC, IP, ELISA

### Cited Applications:

WB, IHC

### Species Specificity:

human

### Cited Species:

human, mouse, rat

### Positive Controls:

WB : Jurkat cells,

IP : Jurkat cells,

IF/ICC : HepG2 cells,

## Background Information

GIMAP7, also known as hIAN7 or IAN 7, is a transmembrane protein located in the endoplasmic reticulum and Golgi apparatus. GIMAP7 can promote oxidative stress and apoptosis in ovarian granulosa cells in Polycystic ovary syndrome by inhibiting the SHH signalling pathway (PMID: 36581994). The MW of this protein is 34 kDa, and this antibody specially recognises the 34 kDa protein.

## Notable Publications

Author	Pubmed ID	Journal	Application
Jinguo Zhang	33042828	Front Oncol	IHC
Anran Xu	36581994	J Ovarian Res	WB, IHC
Liyuan Cui	38151913	Thorac Cancer	WB, IHC

## 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

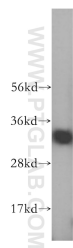
For technical support and original validation data for this product please contact:

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

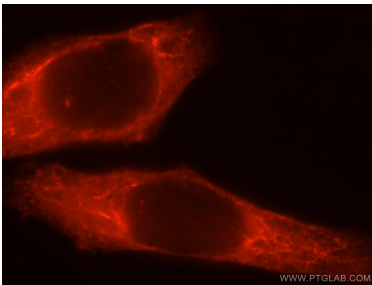
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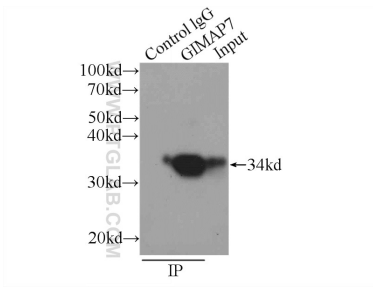
Selected Validation Data



Jurkat cells were subjected to SDS PAGE followed by western blot with 17293-1-AP (GIMAP7 antibody) at dilution of 1:800 incubated at room temperature for 1.5 hours.



Immunofluorescent analysis of HepG2 cells, using GIMAP7 antibody 17293-1-AP at 1:25 dilution and Rhodamine-labeled goat anti-rabbit IgG (red).



IP result of anti-GIMAP7 (IP:17293-1-AP, 4ug; Detection:17293-1-AP 1:800) with Jurkat cells lysate 1080ug.