

# GIMAP7 Monoclonal antibody

Catalog Number: 68451-1-Ig

## Basic Information

**Catalog Number:**

68451-1-Ig

**Size:**

1000 µg/ml

**Source:**

Mouse

**Isotype:**

IgG1

**Immunogen Catalog Number:**

AG10740

**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:**

Protein G purification

**CloneNo.:**

3E4A6

**Recommended Dilutions:**

WB 1:5000-1:50000

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

IF/ICC 1:400-1:1600

## Applications

**Tested Applications:**

WB, IP, IF/ICC, ELISA

**Species Specificity:**

Human

**Positive Controls:**

**WB :** NK-92 cells, Jurkat cells, MOLT-4 cells, HUVEC 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.

## Storage

**Storage:**

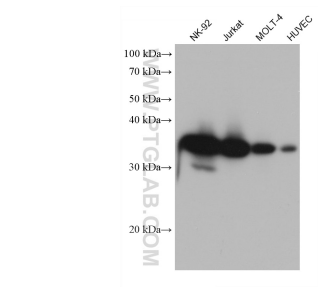
Store at -20°C. Stable for one year after shipment.

**Storage Buffer:**

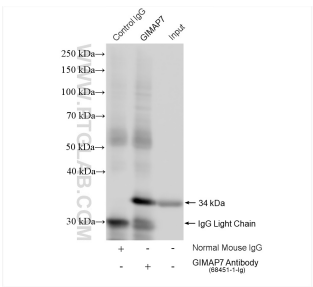
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.

Aliquoting is unnecessary for -20°C storage

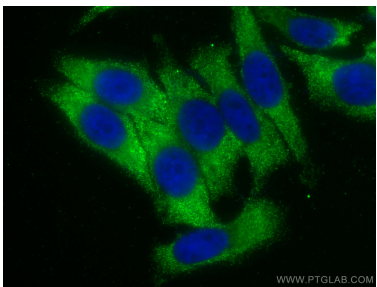
Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 68451-1-Ig (GIMAP7 antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours.



IP result of anti-GIMAP7 (IP:68451-1-Ig, 4ug; Detection:68451-1-Ig 1:2000) with Jurkat cells lysate 1560 ug.



Immunofluorescent analysis of (-20°C Ethanol) fixed HepG2 cells using GIMAP7 antibody (68451-1-Ig, Clone: 3E4A6 ) at dilution of 1:800 and CoraLite®488-Conjugated AffiniPure Goat Anti-Mouse IgG(H+L).