

For Research Use Only

# GIMAP6 Polyclonal antibody, PBS Only

Catalog Number: 33593-1-PBS



## Basic Information

**Catalog Number:**

33593-1-PBS

**Size:**

100ug, Concentration: 1 mg/ml by Nanodrop;

**Source:**

Rabbit

**Isotype:**

IgG

**Immunogen Catalog Number:**

AG38704

**GenBank Accession Number:**

NM\_024711.5

**GeneID (NCBI):**

474344

**UNIPROT ID:**

Q6P9H5

**Full Name:**

GTPase, IMAP family member 6

**Calculated MW:**

33kDa 292aa

**Observed MW:**

30-35 kDa

**Purification Method:**

Antigen affinity Purification

## Applications

**Tested Applications:**

WB, Indirect ELISA

**Species Specificity:**

human

## Background Information

GTPase of immunity associated protein 6 (GIMAP6) is a member of the GIMAP family of small GTPases predominantly expressed in lymphoid tissues. GIMAP6 plays a critical role in regulating immune cell survival, particularly in T and B lymphocytes. It localizes to the endoplasmic reticulum and mitochondria, where it modulates autophagy and apoptosis pathways. Studies indicate that GIMAP6 deficiency leads to spontaneous apoptosis of lymphocytes, highlighting its essential function in maintaining immune homeostasis. Additionally, GIMAP6 has been implicated in autoimmune diseases and certain hematological malignancies, making it an emerging therapeutic target for modulating immune responses and treating lymphocyte-related disorders (PMID: 35551368; 33328581; 29718959).

## Storage

**Storage:**

Store at -80°C.

**Storage Buffer:**

PBS only, pH7.3

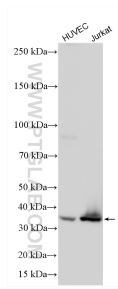
For technical support and original validation data for this product please contact:

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## Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 33593-1-AP (GIMAP6 antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 33593-1-PBS in a different storage buffer formulation.