

For Research Use Only

# GIMAP5 Polyclonal antibody

Catalog Number: 11068-1-AP **2 Publications**



## Basic Information

<b>Catalog Number:</b> 11068-1-AP	<b>GenBank Accession Number:</b> BC011732	<b>Purification Method:</b> Antigen affinity purification
<b>Size:</b> 150ul, Concentration: 500 ug/ml by Nanodrop and 300 ug/ml by Bradford method using BSA as the standard;	<b>GeneID (NCBI):</b> 55340	<b>Recommended Dilutions:</b> WB 1:500-1:2000 IHC 1:20-1:200
<b>Source:</b> Rabbit	<b>UNIPROT ID:</b> Q96F15	
<b>Isotype:</b> IgG	<b>Full Name:</b> GTPase, IMAP family member 5	
<b>Immunogen Catalog Number:</b> AG1509	<b>Calculated MW:</b> 35 kDa	
	<b>Observed MW:</b> 30-35 kDa	

## Applications

<b>Tested Applications:</b> WB, IHC, ELISA	<b>Positive Controls:</b> WB : Jurkat cells, IHC : human lymphoma tissue,
<b>Cited Applications:</b> WB	
<b>Species Specificity:</b> human	
<b>Cited Species:</b> human	

**Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (\*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0**

## Background Information

GIMAP5 gene encodes immunity-associated nucleotide 5 protein (IAN5) belonging to GTPase immune-associated protein subfamily. GIMAP5 is widely expressed with high levels in lymph node and spleen. The loss of Gimap5 (GTPase of the 5) gene function is the underlying cause of lymphopenia and autoimmune diabetes in the BioBreeding (BB) rat. Mouse gimap5 is necessary for the survival of peripheral T cells, NK/NKT-cell development, hematopoietic progenitor cell survival and the maintenance of normal liver function. GIMAP5 may regulate T lymphocyte survival by mechanisms that operate upstream of mitochondria.

## Notable Publications

Author	Pubmed ID	Journal	Application
Chadwick Nicholas N	19508709	Mol Cancer	WB
Chadwick Nicholas N	20817506	Blood Cells Mol Dis	WB

## Storage

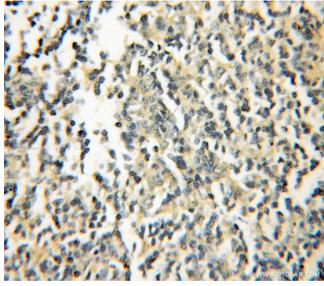
**Storage:**  
Store at -20°C. Stable for one year after shipment.  
**Storage Buffer:**  
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.  
Aliquoting is unnecessary for -20°C storage

**\*\*\* 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  
W: ptglab.com

**This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.**

## Selected Validation Data



Immunohistochemical analysis of paraffin-embedded human lymphoma using 11068-1-AP (GIMAP5 antibody) at dilution of 1:50 (under 10x lens).



Jurkat cells were subjected to SDS PAGE followed by western blot with 11068-1-AP (GIMAP5 Antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours.