

**GIMAP8 Polyclonal Antibody**  
**Purified Rabbit Polyclonal Antibody (Pab)**  
**Catalog # AP58950****Specification****GIMAP8 Polyclonal Antibody - Product Information**

Application	WB, IHC-P, IHC-F, IF, E
Primary Accession	<a href="#">Q8ND71</a>
Reactivity	Rat
Host	Rabbit
Clonality	Polyclonal
Calculated MW	75 KDa
Physical State	Liquid
Immunogen	KLH conjugated synthetic peptide derived from human GIMAP8
Epitope Specificity	551-565/665
Isotype	IgG
<b>Purity</b>	affinity purified by Protein A
Buffer	0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.
SUBCELLULAR LOCATION	Endoplasmic reticulum (By similarity). Golgi apparatus (By similarity). Mitochondrion (By similarity). Belongs to the IAN GTP-binding protein family.
SIMILARITY	
Important Note	This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.

**Background Descriptions**

The GTPase of the immunity-associated protein (GIMAP) family of proteins include seven members that are expressed by genes residing on human chromosome 7. GIMAP proteins have been implicated in the regulation of lymphomyeloid cell survival. GIMAP8, also known as IAN9 (immune-associated nucleotide-binding protein 9) or IANT, is a 665 amino acid protein that localizes to Golgi apparatus, Endoplasmic reticulum and mitochondria. Suggested to have an anti-apoptotic effect on the immune system, GIMAP8 plays a role in infection response and is encoded by a gene that maps to human chromosome 7q36.1. Chromosome 7 houses over 1,000 genes, comprises nearly 5% of the human genome and has been linked to Osteogenesis imperfecta, Pendred syndrome, Lissencephaly, Citrullinemia and Shwachman-Diamond syndrome.

**GIMAP8 Polyclonal Antibody - Additional Information****Gene ID 155038****Other Names**

GTPase IMAP family member 8, Immune-associated nucleotide-binding protein 9, IAN-9, Protein IanT, GIMAP8, IAN9, IANT

**Dilution**

<span class ="dilution\_WB">WB~~1:1000</span><br /><span class ="dilution\_IHC-P">IHC-P~~N/A</span><br /><span class ="dilution\_IHC-F">IHC-F~~N/A</span><br /><span class ="dilution\_IF">IF~~1:50~200</span><br /><span class ="dilution\_E">E~~N/A</span>

**Storage**

Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.

**GIMAP8 Polyclonal Antibody - Protein Information**

**Name** GIMAP8

**Synonyms** IAN9, IANT

**Function**

Exerts an anti-apoptotic effect in the immune system and is involved in responses to infections.

**Cellular Location**

Endoplasmic reticulum {ECO:0000250|UniProtKB:Q75N62}. Golgi apparatus {ECO:0000250|UniProtKB:Q75N62}. Mitochondrion {ECO:0000250|UniProtKB:Q75N62}. Cytoplasm, cytosol

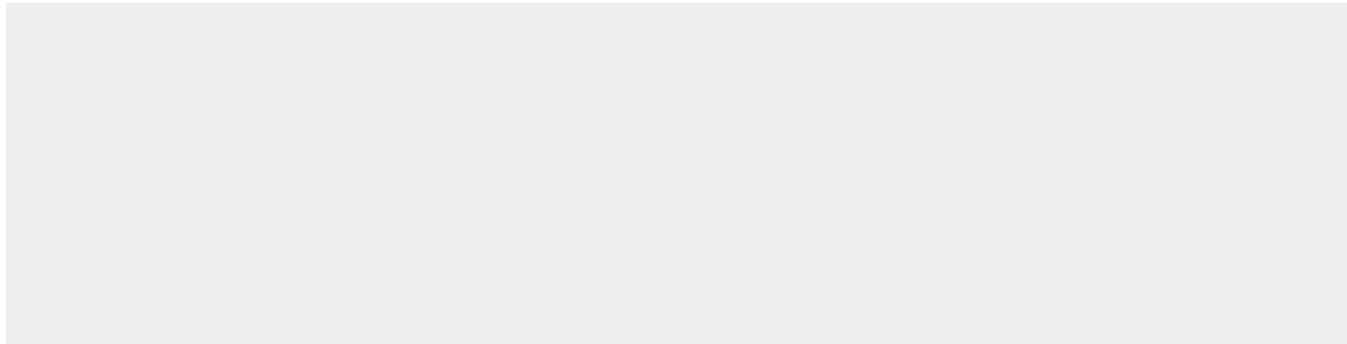
**Tissue Location**

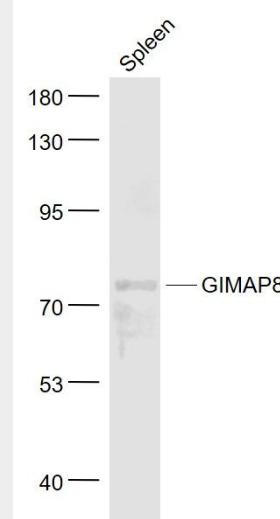
Expressed in the spleen, intestine, liver, and colon, as well as in lung, placenta, kidney, muscle, and heart. Extremely low expression, if any, in brain, in thymus, bone marrow, and blood leukocytes (PubMed:15474311). Detected in T-cells (PubMed:23454188).

**GIMAP8 Polyclonal Antibody - Protocols**

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

**GIMAP8 Polyclonal Antibody - Images**

**Sample:**

Spleen (Mouse) Lysate at 40 ug

Primary: Anti- GIMAP8 (bs-8274R) at 1/1000 dilution

Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution

Predicted band size: 75 kD

Observed band size: 75 kD