

GIMAP1 Rabbit pAb

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Catalog # AP58946

Product Information

Application	IHC-P, IHC-F, IF
Primary Accession	Q8WWP7
Reactivity	Rat
Predicted	Human, Mouse, Rabbit, Horse
Host	Rabbit
Clonality	Polyclonal
Calculated MW	34369
Physical State	Liquid
Immunogen	KLH conjugated synthetic peptide derived from human GIMAP1
Epitope Specificity	31-130/306
Isotype	IgG
Purity	affinity purified by Protein A
Buffer	0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.
SUBCELLULAR LOCATION	Endoplasmic reticulum membrane; Single-pass type IV membrane protein. Golgi apparatus membrane (By 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. GIMAP1 (GTPase, IMAP family member 1), also known as IMAP1 (immunity-associated protein 1), HIMAP1 or IMAP38, is a 306 amino acid single-pass type IV membrane protein of the endoplasmic reticulum (ER) belonging to the GIMAP family. Encoded by a gene located on human chromosome 7, GIMAP1 is expressed primarily in spleen with lower levels found in lymph node. 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.

Additional Information

Gene ID	170575
Other Names	GTPase IMAP family member 1, Immunity-associated protein 1, hIMAP1, GIMAP1, IMAP1
Dilution	IHC-P=1:100-500,IHC-F=1:100-500,IF=1:100-500
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.

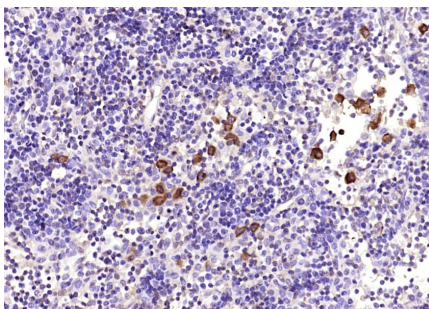
Protein Information

Name	GIMAP1
Synonyms	IMAP1
Function	May regulate lymphocyte survival. Required for normal levels of mature T-lymphocytes and mature B-cells (By similarity).
Cellular Location	Endoplasmic reticulum membrane {ECO:0000250 UniProtKB:P70224}; Single-pass type IV membrane protein. Golgi apparatus membrane {ECO:0000250 UniProtKB:P70224}; Single-pass type IV membrane protein
Tissue Location	Predominantly expressed in the spleen and to a lesser extent in the lymph nodes. Detected in T-cells

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Images



Paraformaldehyde-fixed, paraffin embedded (rat lymphoid); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30min; Antibody incubation with (GIMAP1) Polyclonal Antibody, Unconjugated (AP58946) at 1:200 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructions and DAB staining.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.