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GIMAP8 Rabbit pAb

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Catalog # AP58950

Product Information

Application	WB
Primary Accession	Q8ND71
Reactivity	Mouse
Predicted	Human, Rat, Horse, Rabbit
Host	Rabbit
Clonality	Polyclonal
Calculated MW	74890
Physical State	Liquid
Immunogen	KLH conjugated synthetic peptide derived from human GIMAP8
Epitope Specificity	551-565/665
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 (By similarity). Golgi apparatus (By similarity). Mitochondrion (By similarity).
SIMILARITY	Belongs to the IAN GTP-binding protein family.
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.

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	WB=1:500-2000
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	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).

Background

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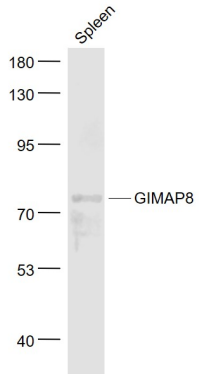
Images



Sample:
Spleen (Mouse) Lysate at 40 ug
Primary: Anti- GIMAP8 (AP58950) at 1/1000 dilution
Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution
Predicted band size: 75 kD
Observed band size: 75 kD