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GIMAP2 Rabbit pAb

Catalog # AP97702

Product Information

Application	IHC-P, IHC-F, IF
Primary Accession	Q9UG22
Other Accession	Q9UG22
Reactivity	Human
Host	Rabbit
Clonality	Polyclonal
Calculated MW	38017
Physical State	Liquid
Immunogen	KLH conjugated synthetic peptide derived from human GIMAP2
Epitope Specificity	21-120/337
Isotype	IgG
Purity	affinity purified by Protein A
Buffer	0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.
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. GIMAP2 (GTPase IMAP family member 2), also known as IMAP2 (immunity-associated protein 2) or HIMAP2, is a 337 amino acid multi-pass membrane protein that is encoded by a gene located on human chromosome 7. Chromosome 7 houses over 1,000 genes and comprises nearly 5% of the human genome. Chromosome 7 has been linked to Osteogenesis imperfecta, Pendred syndrome, Lissencephaly, Citrullinemia and Shwachman-Diamond syndrome. The deletion of a portion of the q arm of chromosome 7 is associated with Williams-Beuren syndrome, a condition characterized by mild mental retardation, an unusual comfort and friendliness with strangers and an elfin appearance.

Additional Information

Gene ID	26157
Other Names	HIMAP2; IAN12; IMAP2; GIMA2_HUMAN; GIMAP2; Immunity-associated protein 2 (hIMAP2); GTPase, IMAP family member 2; immune-associated nucleotide-binding protein 12
Dilution	IHC-P=1:100-500,IHC-F=1:100-500,ICC/IF=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	GIMAP2
Synonyms	IMAP2
Function	The heterodimer formed by GIMAP2 and GIMAP7 has GTPase activity. In contrast, GIMAP2 has no GTPase activity by itself.
Cellular Location	Lipid droplet.
Tissue Location	Detected in T-cells..

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