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GIMAP4 Antibody

Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP50581

Product Information

Application	WB
Primary Accession	Q9NUV9
Reactivity	Human
Host	Rabbit
Clonality	polyclonal
Calculated MW	37534

Additional Information

Gene ID	55303
Other Names	GTPase IMAP family member 4, Immunity-associated nucleotide 1 protein, IAN-1, hIAN1, Immunity-associated protein 4, GIMAP4, IAN1, IMAP4
Dilution	WB~~1:500-1:1000
Format	Rabbit IgG in phosphate buffered saline (without Mg2+ and Ca2+), pH 7.4, 150mM NaCl, 0.09% (W/V) sodium azide and 50% glycerol.
Storage Conditions	-20℃

Protein Information

Name	GIMAP4
Synonyms	IAN1, IMAP4
Function	During thymocyte development, may play a role in the regulation of apoptosis (By similarity). GTPase which exhibits a higher affinity for GDP than for GTP.
Cellular Location	Cytoplasm, cytosol.
Tissue Location	Highly expressed in spleen and peripheral blood leukocytes that contain mostly T- and B-lymphocytes. Expressed specifically in resting T- and B-lymphocytes and expression significantly decreases during B- or T-lymphocyte activation. Expressed at lower levels in thymus, ovary, colon and small intestine

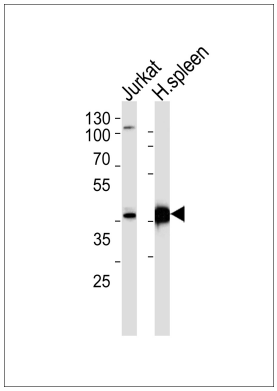
Background

May play a role in regulating lymphocyte apoptosis (By similarity). Exhibits intrisinic GTPase activity. Shows a higher affinity for GDP over GTP (about 12-fold higher), and binding shows an absolute requirement for magnesium.

References

Cambot M.,et al.Blood 99:3293-3301(2002).
Liu Y.Q.,et al.Submitted (DEC-1998) to the EMBL/GenBank/DDBJ databases.
Ota T.,et al.Nat. Genet. 36:40-45(2004).
Schwefel D.,et al.Structure 21:550-559(2013).

Images



Western blot analysis of lysates from Jurkat cell line and human spleen tissue lysate(from left to right),using GIMAP4 Antibody(AP50581). AP50581 was diluted at 1:1000 at each lane. A goat anti-rabbit IgG H&L(HRP) at 1:5000 dilution was used as the secondary antibody.Lysates at 35ug per lane.