

Rabbit Anti-GIMAP4/AP Conjugated antibody

SL8270R-AP

Product Name	Anti-GIMAP4/AP
Chinese Name	碱性磷酸酶 (AP) 标记的 GTP 酶 IMAP 家族成员 4 抗体
Alias	GTPase, IMAP family member 3 pseudogene; Ian4; Gimap5; 2010110D23Rik; GIMAP 3; GIMAP3; GTPase IMAP family member 3; GTPase of the immune associated protein 3; Immune associated nucleotide 4; Immunity associated nucleotide 4 protein; GIMA4_HUMAN.
Research Area	Cell biology immunology Stem cells t-lymphocyte b-lymphocyte
Immunogen Species	Rabbit
Clonality	Polyclonal
React Species	(predicted:Human,Mouse,Rat,Pig,Cow,Sheep) WB=1000-10000,ELISA=1:500-5000
Applications	not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
Molecular weight	38kDa
Form	Lyophilized or Liquid
Concentration	1mg/ml
immunogen	KLH conjugated synthetic peptide derived from human GIMAP4
Lsotype	IgG
Purification	affinity purified by Protein A
Storage Buffer	1M TBS(pH7.4) with 1% BSA, 3% Proclin300 and 50% Glycerol. Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. The lyophilized antibody is stable at room temperature for at least one month and for greater than a year when kept at -20°C. When reconstituted in sterile pH 7.4 1M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.
Storage	
Product Detail	background: Exhibits intrinsic GTPase activity. Shows a higher affinity for GDP over GTP (about 12-fold higher), and binding shows an absolute requirement for magnesium. Tissue specificity: 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.

Function:

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

Subcellular Location:

Cytoplasm, cytosol (By similarity).

Tissue Specificity:

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.

Post-translational modifications:

Phosphorylated at very low levels in resting splenocytes. Rapidly and transiently phosphorylated in response to splenocyte activation (By similarity).

Similarity:

Belongs to the IAN GTP-binding protein family.

Database links:

UniProtKB/Swiss-Prot: Q9NUV9.1

Important Note:

This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.