Rabbit anti-Human GIMAP1 Polyclonal Antibody | anti-GIMAP1 antibody

Anti-GIMAP1 Antibody Picoband

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA127697	**Rabbit**	**Human**	**ELISA, Flow Cytometry, Functional Assay, Western Blot**

PRODUCT SYNONYMS

GIMAP1; Polyclonal Antibody; Anti-GIMAP1 Antibody Picoband; anti-GIMAP1 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Purity/Purification	Immunogen affinity purified.
Form/Format	Lyophilized. Each vial contains 4 mg Trehalose, 0.9 mg NaCl, 0.2 mg Na2HPO4.
Applicable Applications for anti-GIMAP1 antibody	ELISA, FCM/FACS (Flow Cytometry), WB (Western Blot)
Immunogen	E coli-derived human GIMAP1 recombinant protein (Position: M1-E238). Human GIMAP1 shares 70.5% amino acid (aa) sequence identity with mouse GIMAP1.
Reconstitution	Adding 0.2 ml of distilled water will yield a concentration of 500ug/ml.
Preparation and Storage	At -20 degree C for one year from date of receipt. After reconstitution, at 4 degree C for one month. It can also be aliquotted and stored frozen at -20 degree C for six months.Avoid repeated freezing and thawing.

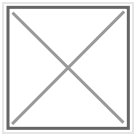
IMAGES



FCM/FACS (Flow Cytometry)
Figure 3. Flow Cytometry analysis of JK cells using anti-GIMAP1 antibody (AAA127697).Overlay histogram showing JK cells stained with AAA127697 (Blue line). To facilitate intracellular staining, cells were fixed with 4% paraformaldehyde and permeabilized with permeabilization buffer. The cells were blocked with 10% normal goat serum. And then incubated with rabbit anti-GIMAP1 Antibody (AAA127697, 1ug/1x106 cells) for 30 min at 20 degree C. DyLight488 conjugated goat anti-rabbit IgG was used as secondary antibody for 30 minutes at 20 degree C. Isotype control antibody (Green line) was rabbit IgG (1ug/1x106) used under the same conditions. Unlabelled sample without incubation with primary antibody and secondary antibody (Red line) was used as a blank control. U2OS sample (Black line) was used as a negative control.



FCM/FACS (Flow Cytometry)
Figure 2. Flow Cytometry analysis of JK cells using anti-GIMAP1 antibody (AAA127697).Overlay histogram showing JK cells stained with AAA127697 (Blue line). To facilitate intracellular staining, cells were fixed with 4% paraformaldehyde and permeabilized with permeabilization buffer. The cells were blocked with 10% normal goat serum. And then incubated with rabbit anti-GIMAP1 Antibody (AAA127697, 1ug/1x106 cells) for 30 min at 20 degree C. DyLight488 conjugated goat anti-rabbit IgG was used as secondary antibody for 30 minutes at 20 degree C. Isotype control antibody (Green line) was rabbit IgG (1ug/1x106) used under the same conditions. Unlabelled sample (Red line) was also used as a control.



WB (Western Blot)
Figure 1. Western blot analysis of GIMAP1 using anti-GIMAP1 antibody (AAA127697).Electrophoresis was performed on a 5-20% SDS-PAGE gel at 70V (Stacking gel)/90V (Resolving gel) for 2-3 hours. The sample well of each lane was loaded with 30 ug of sample under reducing conditions.Lane 1: human Jurkat whole cell lysates,Lane 2: human THP-1 whole cell lysates,Lane 3: human HEL whole cell lysates.After electrophoresis, proteins were transferred to a nitrocellulose membrane at 150 mA for 50-90 minutes. Blocked the membrane with 5% non-fat milk/TBS for 1.5 hour at RT. The membrane was incubated with rabbit anti-GIMAP1 antigen affinity purified polyclonal antibody (#AAA127697) at 0.5ug/mL overnight at 4 degree C, then washed with TBS-0.1%Tween 3 times with 5 minutes each and probed with a goat anti-rabbit IgG-HRP secondary antibody at a dilution of 1:5000 for 1.5 hour at RT. The signal is developed using an Enhanced Chemiluminescent detection (ECL) kit with Tanon 5200 system. A specific band was detected for GIMAP1 at approximately 36 kDa. The expected band size for GIMAP1 is at 34 kDa.

ADDITIONAL INFORMATION

Related Product Information for anti-GIMAP1 antibody	The brand Picoband indicates this is a premium antibody that guarantees superior quality, high affinity, and strong signals with minimal background in Western blot applications. Only our best-performing antibodies are designated as Picoband, ensuring unmatched performance.
Product Categories/Family for anti-GIMAP1 antibody	Primary Antibodies
References	1. Stamm, O., Krucken, J., Schmitt-Wrede, H.-P., Benten, W. P. M., Wunderlich, F. Human ortholog to mouse imap38 encoding an ER-localizable G-protein belongs to a gene family clustered on chromosome 7q32-q36. Gene 282: 159-167, 2002.

NCBI AND UNIPROT INFORMATION

NCBI GI #	18594498
NCBI GeneID	170575
NCBI Accession #	NP_570115.1
NCBI GenBank Nucleotide #	NM_130759.3
UniProt Accession #	Q8WWP7; Q8NAZ0; B2RCI3
Molecular Weight	34,369 Da
NCBI Official Full Name	GTPase IMAP family member 1
NCBI Official Synonym Full Names	GTPase, IMAP family member 1
NCBI Official Symbol	GIMAP1
NCBI Official Synonym Symbols	IAN2; IMAP1; HIMAP1; IMAP38
NCBI Protein Information	GTPase IMAP family member 1; immunity associated protein 1; immune-associated nucleotide-binding protein 2
UniProt Protein Name	GTPase IMAP family member 1
UniProt Gene Name	**GIMAP1**
UniProt Synonym Gene Names	IMAP1; hIMAP1
UniProt Entry Name	GIMA1_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.