

Anti-GIMAP5 Antibody Picoband®

Catalog Number: A07653-2

About GIMAP5

This gene encodes a protein belonging to the GTP-binding superfamily and to the immuno-associated nucleotide (IAN) subfamily of nucleotide-binding proteins. In humans, the IAN subfamily genes are located in a cluster at 7q36.1. This gene encodes an antiapoptotic protein that functions in T-cell survival. Polymorphisms in this gene are associated with systemic lupus erythematosus. Read-through transcription exists between this gene and the neighboring upstream GIMAP1 (GTPase, IMAP family member 1) gene.

Overview

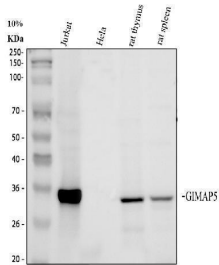
Product Name	Anti-GIMAP5 Antibody Picoband®
Reactive Species	Human, Rat
Description	Boster Bio Anti-GIMAP5 Antibody Picoband® catalog # A07653-2. Tested in WB, ICC/IF, IP, ELISA applications. This antibody reacts with Human, Rat. The brand Picoband indicates this is a premium antibody that guarantees 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.
Application	ELISA, IP, IF, ICC, WB
Clonality	Polyclonal
Formulation	Each vial contains 4 mg Trehalose, 0.9 mg NaCl, 0.2 mg Na ₂ HPO ₄ .
Storage Instructions	At -20°C for one year from date of receipt. After reconstitution, at 4°C for one month. It can also be aliquotted and stored frozen at -20°C for six months. Avoid repeated freezing and thawing.
Host	Rabbit
Uniprot ID	Q96F15

Technical Details

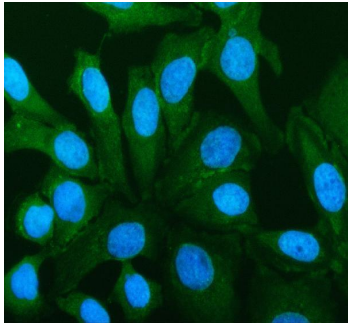
Immunogen	E.coli-derived human GIMAP5 recombinant protein (Position: M1-E240). Human GIMAP5 shares 61.7% and 57.9% amino acid (aa) sequence identity with mouse and rat GIMAP5, respectively.
Recommended Detection Systems	Boster recommends ECL Plus Western Blotting Substrate (Catalog # AR1196-200) for Western blot, and HRP Conjugated anti-Rabbit IgG Super Vision Assay Kit (SV0002-1) for ICC.
Form	Lyophilized
Concentration	Adding 0.2 ml of distilled water will yield a concentration of 500 ug/ml.
Purification	Immunogen affinity purified.
Suggested Dilutions	Western blot, 0.25-0.5 ug/ml, Human, Rat

	Immunocytochemistry/Immunofluorescence, 5 ug/ml, Human Immunoprecipitation, 0.5-2 ug/ml, Human ELISA, 0.1-0.5 ug/ml
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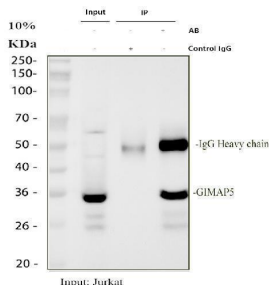
Anti-GIMAP5 Antibody Picoband® (A07653-2) Images



Western blot analysis of GIMAP5 using anti-GIMAP5 antibody (A07653-2). Electrophoresis was performed on a 10% SDS-PAGE gel at 80V (Stacking gel) / 120V (Resolving gel) for 2 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 HeLa whole cell lysates, Lane 3: rat thymus tissue lysates, Lane 4: rat spleen tissue 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-GIMAP5 antigen affinity purified polyclonal antibody (A07653-2) at 0.5 ug/mL overnight at 4°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 ECL Plus Western Blotting Substrate (Catalog # AR1196-200) with Tanon 5200 system. A specific band was detected for GIMAP5 at approximately 35 kDa. The expected band size for GIMAP5 is at 35 kDa.



IF analysis of GIMAP5 using anti-GIMAP5 antibody (A07653-2). GIMAP5 was detected in an immunocytochemical section of HeLa cells. Enzyme antigen retrieval was performed using IHC enzyme antigen retrieval reagent (AR0022) for 15 mins. The cells were blocked with 10% goat serum. And then incubated with 5 ug/mL rabbit anti-GIMAP5 Antibody (A07653-2) overnight at 4°C. Fluoro488 Conjugated Goat Anti-Rabbit IgG (BA1127) was used as secondary antibody at 1:500 dilution and incubated for 30 minutes at 37°C. The section was counterstained with DAPI. Visualize using a fluorescence microscope and filter sets appropriate for the label used.



Immunoprecipitating (IP) GIMAP5 in Jurkat whole cell lysate. Western blot analysis of GIMAP5 using anti-GIMAP5 antibody (A07653-2); Lane 1: Jurkat whole cell lysates (30ug); Lane 2: Rabbit control IgG instead of anti-GIMAP5 antibody in Jurkat whole cell lysate; Lane 3: anti-GIMAP5 antibody (2ug) + Jurkat whole cell lysate (500ug). After electrophoresis, proteins were transferred to a membrane. Then the membrane was incubated with rabbit anti-GIMAP5 antigen affinity purified polyclonal antibody (A07653-2) at a dilution of 0.5 ug/mL and probed with a goat anti-rabbit IgG-HRP secondary antibody (Catalog # BA1054). The signal is developed using ECL Plus Western Blotting Substrate (Catalog # AR1196-200). A specific band was detected for GIMAP5 at approximately 35 kDa. The expected band size for GIMAP5 is at 35 kDa.

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Anti-GIMAP5 Antibody

For Research Use Only. Not for use in diagnostic procedures.