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antibody and ELISA experts

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Anti-RIAM/APBB1IP Antibody Picoband®

Catalog Number: PA1960

About APBB1IP

APBB1IP (APBB1-Interacting Protein), also called RIAM or RARP1, is a protein that in humans is encoded by the APBB1IP gene. By genomic sequence analysis, Lafuente et al. (2004) mapped the RIAM gene to chromosome 10p12.1. Using promoter-reporter gene assays, Inagaki et al. (2003) found that RARP1 suppressed transcription from AP1 and SRE sites, but not CRE sites, in all cell lines examined. The proline-rich regions of RARP1 suppressed AP1 transactivation. Lafuente et al. (2004) found that RIAM interacted with profilin and VASP, molecules that regulate actin dynamics, as well as with RAP1-GTP.

Overview

Product Name	Anti-RIAM/APBB1IP Antibody Picoband®
Reactive Species	Human, Mouse, Rat
Description	Boster Bio Anti-RIAM/APBB1IP Antibody catalog # PA1960. Tested in Flow Cytometry, IF, IHC, IHC-F, ICC, WB applications. This antibody reacts with Human, Mouse, 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	Flow Cytometry, IF, IHC, IHC-F, ICC, WB
Clonality	Polyclonal
Formulation	Each vial contains antibody formulated with stabilizing components, 0.9mg NaCl, 0.2mg Na2HPO4, 0.05mg Thimerosal, 0.05mg NaN3. *This antibody is supplied in a stabilized formulation. Compatibility with conjugation reactions depends on the chemistry of the conjugation method used. For conjugation methods that are not compatible with the stabilizing components present in this formulation, a carrier-free antibody format is required.
Storage Instructions	Store 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 freeze-thaw cycles.
Host	Rabbit
Uniprot ID	Q7Z5R6

Technical Details

Immunogen	A synthetic peptide corresponding to a sequence at the C-terminus of human APBB1IP, different from the related rat sequence by one amino acid, and from the related mouse sequence by two amino acids.
Recommended Detection Systems	Boster recommends Enhanced Chemiluminescent Kit with anti-Rabbit IgG (EK1002) for Western blot, and HRP Conjugated anti-Rabbit IgG Super Vision Assay Kit (SV0002-1) for IHC(P), IHC(F) and ICC.

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Cross Reactivity	No cross-reactivity with other proteins
Isotype	Rabbit IgG
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, 0.1-0.5ug/ml, Human, Mouse, Rat Immunohistochemistry (Paraffin-embedded Section), 0.5-1ug/ml, Human, Rat Immunohistochemistry (Frozen Section), 0.5-1ug/ml, Rat Immunocytochemistry , 0.5-1ug/ml, Human Immunocytochemistry/Immunofluorescence, 5ug/ml, Human Flow Cytometry (Fixed), 1-3ug/1x10^6 cells, Human

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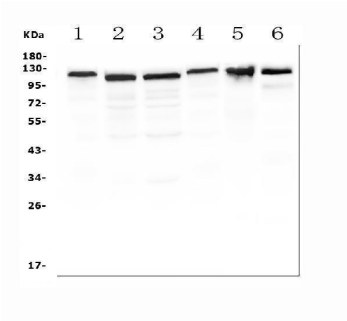
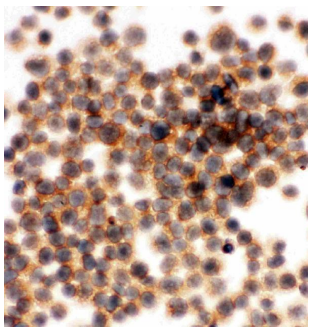
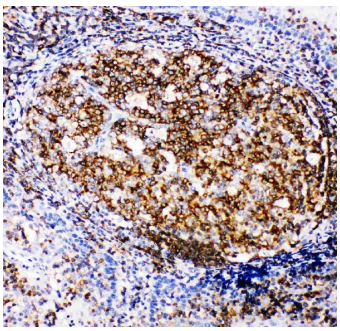
Anti-RIAM/APBB1IP Antibody Picoband® (PA1960) Images



Western blot analysis of APBB1IP using anti-APBB1IP antibody (PA1960). 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 50ug of sample under reducing conditions. Lane 1: human THP-1 whole cell lysates, Lane 2: Jurkat whole cell lysates, Lane 3: human Raji whole cell lysates, Lane 4: U937 whole cell lysates, Lane 5: rat thymus tissue lysates, Lane 6: mouse thymus tissue lysates. After Electrophoresis, proteins were transferred to a Nitrocellulose membrane at 150mA 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-APBB1IP antigen affinity purified polyclonal antibody (Catalog # PA1960) 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 1:10000 for 1.5 hour at RT. The signal is developed using an Enhanced Chemiluminescent detection (ECL) kit (Catalog # EK1002) with Tanon 5200 system. A specific band was detected for APBB1IP at approximately 110-120KD. The expected band size for APBB1IP is at 73KD.



Anti-RIAM antibody, PA1960, ICCICC: JURKAT Cell



Anti-RIAM antibody, PA1960, IHC(P)IHC(P): Human Tonsil Tissue

IHC analysis of APBB1IP using anti-APBB1IP antibody (PA1960). APBB1IP was detected in paraffin-embedded section of rat lymphaden. Heat mediated antigen retrieval was performed in citrate buffer (pH6, epitope retrieval solution) for 20 mins. The tissue section was blocked with 10% goat serum. The tissue section was then incubated with 1ug/ml rabbit anti-APBB1IP Antibody (PA1960) overnight at

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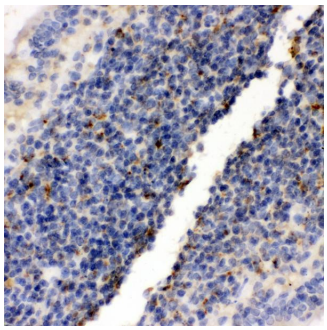
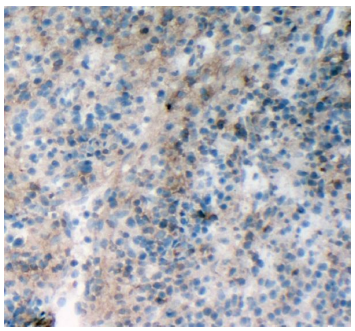
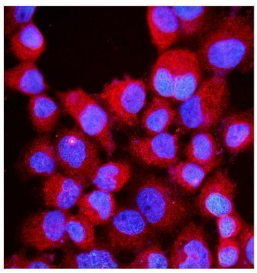


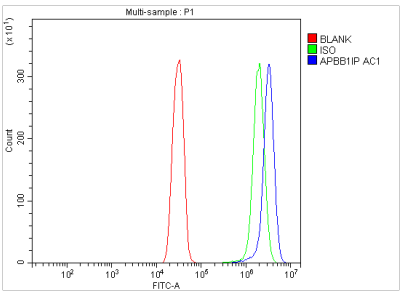
4°C. Biotinylated goat anti-rabbit IgG was used as secondary antibody and incubated for 30 minutes at 37°C. The tissue section was developed using Strepavidin-Biotin-Complex (SABC)(Catalog # SA1022) with DAB as the chromogen.



IHC analysis of APBB1IP using anti-APBB1IP antibody (PA1960). APBB1IP was detected in frozen section of rat spleen. Heat mediated antigen retrieval was performed in citrate buffer (pH6, epitope retrieval solution) for 20 mins. The tissue section was blocked with 10% goat serum. The tissue section was then incubated with ug/ml rabbit anti-APBB1IP Antibody (PA1960) overnight at 4°C. Biotinylated goat anti-rabbit IgG was used as secondary antibody and incubated for 30 minutes at 37°C. The tissue section was developed using Strepavidin-Biotin-Complex (SABC)(Catalog # SA1022) with DAB as the chromogen.



IF analysis of APBB1IP using anti-APBB1IP antibody (PA1960). APBB1IP was detected in immunocytochemical section of A431 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 5ug/mL rabbit anti-APBB1IP Antibody (PA1960) overnight at 4°C. DyLight®594 Conjugated Goat Anti-Rabbit IgG (BA1142) was used as secondary antibody at 1:100 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.



Flow Cytometry analysis of SiHa cells using anti-APBB1IP antibody (PA1960). Overlay histogram showing SiHa cells stained with PA1960 (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-APBB1IP Antibody (PA1960, 1ug/1x106 cells) for 30 min at 20°C. DyLight®488 conjugated goat anti-rabbit IgG (BA1127, 5-10ug/1x106 cells) was used as secondary antibody for 30 minutes at 20°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.

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reviews help your fellow scientists make the right decisions. Thank you for your contribution.

Anti-RIAM/APBB1IP Antibody

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