

Anti-RTL10 Antibody Picoband®

Catalog Number: A31740

About RTL10

RTL10 (Retrotransposon Gag Like 10) is a Protein Coding gene. This gene is mapped to 22q11.21. It could induce apoptosis in a BH3 domain-dependent manner. The direct interaction network of Bcl-2 family members may play a key role in modulation RTL10/BOP intrinsic apoptotic signaling activity. Diseases associated with RTL10 include Hemophagocytic Lymphohistiocytosis, Familial, 3.

Overview

Product Name	Anti-RTL10 Antibody Picoband®
Reactive Species	Human, Mouse, Rat
Description	Boster Bio Anti-RTL10 Antibody Picoband® catalog # A31740. Tested in Flow Cytometry, 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, WB
Clonality	Polyclonal
Formulation	Each vial contains 4mg Trehalose, 0.9mg NaCl, 0.2mg Na ₂ HPO ₄ , 0.05mg Na ₃ N.
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	Q7L3V2

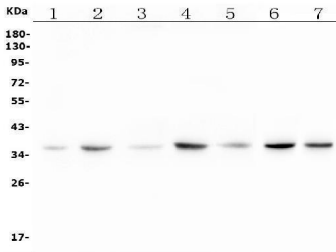
Technical Details

Immunogen	A synthetic peptide corresponding to a sequence in the middle region of human RTL10.
Recommended Detection Systems	Boster recommends Enhanced Chemiluminescent Kit with anti-Rabbit IgG (EK1002) for Western blot.
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.

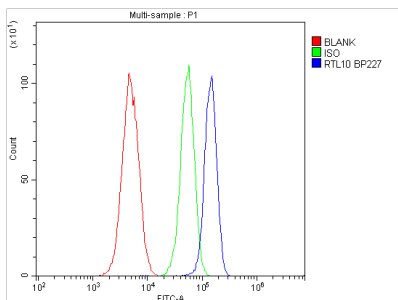
Suggested Dilutions

"Western blot, 0.25-0.5ug/ml, Human, Mouse, Rat
Flow Cytometry (Fixed), 1-3ug/1x10⁶ cells, Human
"

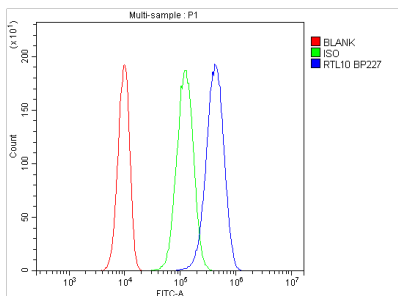
Anti-RTL10 Antibody Picoband® (A31740) Images



Western blot analysis of RTL10 using anti-RTL10 antibody (A31740). 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 placenta tissue lysates, Lane 2: human A431 whole cell lysates, Lane 3: human HL-60 whole cell lysates, Lane 4: human U2OS whole cell lysates, Lane 5: human PC-3 whole cell lysates, Lane 6: rat lung tissue lysates, Lane 7: mouse HEPA1-6 whole cell 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-RTL10 antigen affinity purified polyclonal antibody (Catalog # A31740) 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. Specific bands were detected for RTL10 at approximately 36-39KD. The expected band size for RTL10 is at 39KD.



Flow Cytometry analysis of HL-60 cells using anti-RTL10 antibody (A31740). Overlay histogram showing HL-60 cells stained with A31740 (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-RTL10 Antibody (A31740, 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.



Flow Cytometry analysis of PC-3 cells using anti-RTL10 antibody (A31740). Overlay histogram showing PC-3 cells stained with A31740 (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-RTL10 Antibody (A31740, 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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Anti-RTL10 Antibody

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