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antibody and ELISA experts

BOSTER BIOLOGICAL TECHNOLOGY
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Anti-NIP7 Antibody Picoband®

Catalog Number: A08120-2

About NIP7

60S ribosome subunit biogenesis protein NIP7 homolog is a protein that in humans is encoded by the NIP7 gene. NIP7 is required for proper 27S pre-rRNA processing and 60S ribosome subunit assembly.

Overview

Product Name	Anti-NIP7 Antibody Picoband®
Reactive Species	Human, Mouse
Description	Boster Bio Anti-NIP7 Antibody Picoband® catalog # A08120-2. Tested in WB, FCM, ELISA applications. This antibody reacts with Human, Mouse. 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, Flow Cytometry, WB
Clonality	Polyclonal
Formulation	Each vial contains 4 mg Trehalose, 0.9 mg NaCl, 0.2 mg Na2HPO4.
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	Q9Y221

Technical Details

Immunogen	E.coli-derived human NIP7 recombinant protein (Position: E14-T180). Human NIP7 shares 97.6% and 97% amino acid (aa) sequence identity with mouse and rat NIP7, respectively.
Recommended Detection Systems	Boster recommends Enhanced Chemiluminescent Kit with anti-Rabbit IgG (EK1002) for Western blot.
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, Mouse Flow Cytometry (Fixed), 1-3 ug/1x10^6 cells, Human ELISA, 0.1-0.5 ug/ml, -

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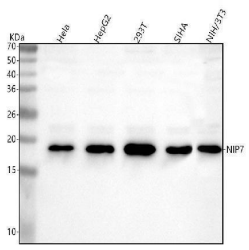
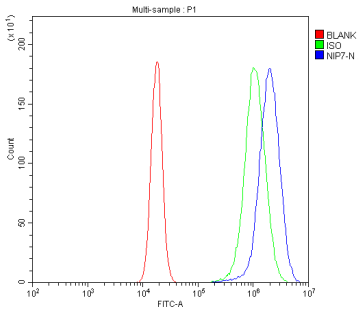
Anti-NIP7 Antibody Picoband® (A08120-2) Images



Western blot analysis of NIP7 using anti-NIP7 antibody (A08120-2). 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 Hela whole cell lysates, Lane 2: human HepG2 whole cell lysates, Lane 3: human 293T whole cell lysates, Lane 4: human SIHA whole cell lysates, Lane 5: mouse NIH/3T3 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-NIP7 antigen affinity purified polyclonal antibody (Catalog # A08120-2) 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 Enhanced Chemiluminescent detection (ECL) kit (Catalog # EK1002) with Tanon 5200 system. A specific band was detected for NIP7 at approximately 20 kDa. The expected band size for NIP7 is at 20 kDa.



Flow Cytometry analysis of 293T cells using anti-NIP7 antibody (A08120-2). Overlay histogram showing 293T cells stained with A08120-2 (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-NIP7 Antibody (A08120-2, 1 ug/1x106 cells) for 30 min at 20°C. DyLight®488 conjugated goat anti-rabbit IgG (BA1127, 5-10 ug/1x106 cells) was used as secondary antibody for 30 minutes at 20°C. Isotype control antibody (Green line) was rabbit IgG (1 ug/1x106) used under the same conditions. Unlabelled sample (Red line) was also used as a control.

Anti-NIP7 Antibody

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