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BOSTER BIOLOGICAL TECHNOLOGY
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Anti-NAP1L3 Antibody Picoband®

Catalog Number: A17289

About NAP1L3

Nucleosome assembly protein 1 like 3 is a protein that in humans is encoded by the NAP1L3 gene. This gene is intronless and encodes a member of the nucleosome assembly protein (NAP) family. This gene is linked closely to a region of genes responsible for several X-linked cognitive disability syndromes.

Overview

Product Name	Anti-NAP1L3 Antibody Picoband®
Reactive Species	Human
Description	Boster Bio Anti-NAP1L3 Antibody Picoband® catalog # A17289. Tested in WB, Flow Cytometry, ELISA applications. This antibody reacts with Human. 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	Q99457

Technical Details

Immunogen	E.coli-derived human NAP1L3 recombinant protein (Position: K77-K506). Human NAP1L3 shares 74.5% and 73% amino acid (aa) sequence identity with mouse and rat NAP1L3, 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 Flow Cytometry (Fixed), 1-3 ug/1x10^6 cells, Human

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	ELISA, 0.1-0.5 ug/ml

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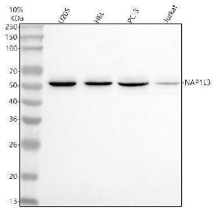
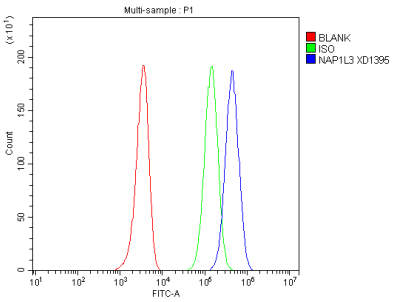
Anti-NAP1L3 Antibody Picoband® (A17289) Images



Western blot analysis of NAP1L3 using anti-NAP1L3 antibody (A17289). 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 U2OS whole cell lysates, Lane 2: human HEL whole cell lysates, Lane 3: human PC-3 whole cell lysates, Lane 4: human Jurkat 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-NAP1L3 antigen affinity purified polyclonal antibody (A17289) 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 NAP1L3 at approximately 58 kDa. The expected band size for NAP1L3 is at 58 kDa.



Flow Cytometry analysis of HEL cells using anti-NAP1L3 antibody (A17289). Overlay histogram showing HEL cells stained with A17289 (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-NAP1L3 Antibody (A17289, 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 without incubation with primary antibody and secondary antibody (Red line) was used as a blank control.

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Anti-NAP1L3 Antibody

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