

Anti-PANX3 Antibody Picoband®

Catalog Number: A11546-1

About PANX3

The protein encoded by this gene belongs to the innexin family. Innexin family members are known to be the structural components of gap junctions.

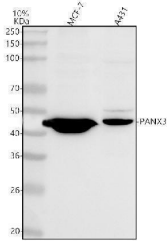
Overview

Product Name	Anti-PANX3 Antibody Picoband®
Reactive Species	Human
Description	Boster Bio Anti-PANX3 Antibody Picoband® catalog # A11546-1. Tested in WB, IP, 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 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	Q96QZ0

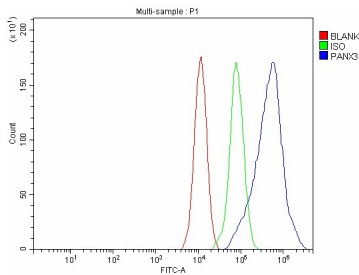
Technical Details

Immunogen	E.coli-derived human PANX3 recombinant protein (Position: M1-P392). Human PANX3 shares 89% and 91.6% amino acid (aa) sequence identity with mouse and rat PANX3, respectively.
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 Immunoprecipitation, 0.5-2 ug/ml, Human Flow Cytometry(Fixed), 1-3 ug/1x10 ⁶ cells, Human ELISA, 0.1-0.5 ug/ml, -

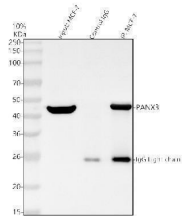
Anti-PANX3 Antibody Picoband® (A11546-1) Images



Western blot analysis of PANX3 using anti-PANX3 antibody (A11546-1). 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 MCF-7 whole cell lysates, Lane 2: human A431 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-PANX3 antigen affinity purified polyclonal antibody (Catalog # A11546-1) 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 PANX3 at approximately 45 kDa. The expected band size for PANX3 is at 45 kDa.



Flow Cytometry analysis of MCF-7 cells using anti-PANX3 antibody (A11546-1). Overlay histogram showing MCF-7 cells stained with A11546-1 (Blue line). The cells were fixed with 4% paraformaldehyde and blocked with 10% normal goat serum. And then incubated with rabbit anti-PANX3 Antibody (A11546-1, 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.



Immunoprecipitating (IP) PANX3 in MCF-7 whole cell lysate. Western blot analysis of PANX3 using anti-PANX3 antibody (A11546-1); Lane 1: MCF-7 whole cell lysates (30ug); Lane 2: Rabbit control IgG instead of anti-PANX3 antibody in MCF-7 whole cell lysate; Lane 3: anti-PANX3 antibody (2ug) + MCF-7 whole cell lysate (500ug). After electrophoresis, proteins were transferred to a membrane. Then the membrane was incubated with rabbit anti-PANX3 antigen affinity purified polyclonal antibody (A11546-1) 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 PANX3 at approximately 45 kDa. The expected band size for PANX3 is at 45 kDa.

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Anti-PANX3 Antibody

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