

Anti-delta 1 Catenin/CAS/CTNND1 Antibody Picoband®

Catalog Number: A02333-4

About CTNND1

p120, and called catenin delta-1 is a protein that in humans is encoded by the CTNND1 gene. This gene encodes a member of the Armadillo protein family, which function in adhesion between cells and signal transduction. Multiple translation initiation codons and alternative splicing result in many different isoforms being translated. Not all of the full-length natures of the described transcript variants have been determined. Read-through transcription also exists between this gene and the neighboring upstream thioredoxin-related transmembrane protein 2 (TMX2) gene.

Overview

Product Name	Anti-delta 1 Catenin/CAS/CTNND1 Antibody Picoband®
Reactive Species	Human, Mouse, Rat
Description	Boster Bio Anti-delta 1 Catenin/CAS/CTNND1 Antibody Picoband® catalog # A02333-4. Tested in ELISA, 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	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	O60716

Technical Details

Immunogen	E.coli-derived human delta 1 Catenin/CAS/CTNND1 recombinant protein (Position: E31-R875).
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, 0.25-0.5 ug/ml, Human, Mouse, Rat Flow Cytometry (Fixed), 1-3 ug/1x10 ⁶ cells, Human ELISA, 0.1-0.5 ug/ml, -

Anti-delta 1 Catenin/CAS/CTNND1 Antibody Picoband® (A02333-4) Images

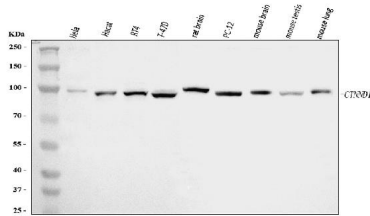


Figure 1. Western blot analysis of Delta 1 Catenin/CAS/CTNND1 using anti-Delta 1 Catenin/CAS/CTNND1 antibody (A02333-4). Electrophoresis was performed on a 5-20% SDS-PAGE gel at 70V (Stacking gel) / 90V (Resolving gel) for 2-3 hours. The sample well of each lane was loaded with 30 ug of sample under reducing conditions.

Lane 1: human Hela whole cell lysates,
Lane 2: human Haca whole cell lysates,
Lane 3: human RT4 whole cell lysates,
Lane 4: human T-47D whole cell lysates,
Lane 5: rat brain tissue lysates,
Lane 6: rat PC-12 whole cell lysates,
Lane 7: mouse brain tissue lysates,
Lane 8: mouse testis tissue lysates,
Lane 9: mouse lung tissue 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-Delta 1 Catenin/CAS/CTNND1 antigen affinity purified polyclonal antibody (Catalog # A02333-4) 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 Delta 1 Catenin/CAS/CTNND1 at approximately 100-110 kDa. The expected band size for Delta 1 Catenin/CAS/CTNND1 is at 108 kDa.

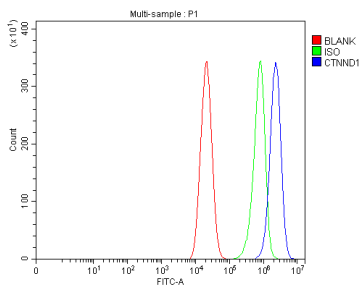


Figure 2. Flow Cytometry analysis of Caco-2 cells using anti-Delta 1 Catenin/CAS/CTNND1 antibody (A02333-4). Overlay histogram showing Caco-2 cells stained with A02333-4 (Blue line). To facilitate intracellular staining, cells were fixed with 4% paraformaldehyde and permeabilized with permeabilization buffer. The cells were blocked with 10% normal goat serum. And then incubated with rabbit anti-Delta 1 Catenin/CAS/CTNND1 Antibody (A02333-4, 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.

Submit a product review to [Biocompare.com](https://www.biocompare.com)

Submit a review of this product to [Biocompare.com](https://www.biocompare.com) to receive a \$20 Amazon.com giftcard! Your reviews help your fellow scientists make the right decisions. Thank you for your contribution.



Anti-delta 1 Catenin/CAS/CTNND1 Antibody