

Anti-beta Catenin/CTNNB1 Antibody Picoband®

Catalog Number: PA1212-1

About CTNNB1

Catenins are proteins found in complexes with cadherin cell adhesion molecules of animal cells. The first two catenins that were identified became known as alpha-catenin and beta-catenin. Alpha-catenin can bind to beta-catenin and can also bind actin. Beta-catenin binds the cytoplasmic domain of some cadherins. Beta-catenin is an adherens junction protein. It plays an important role in various aspects of liver biology including liver development (both embryonic and postnatal), liver regeneration following partial hepatectomy. HGF-induced hepatomegaly, liver zonation, and pathogenesis of liver cancer.

Overview

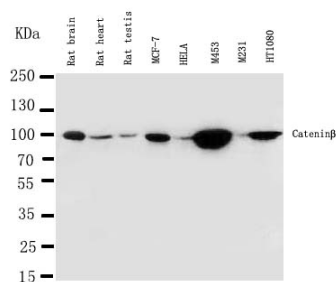
Product Name	Anti-beta Catenin/CTNNB1 Antibody Picoband®
Reactive Species	Human, Mouse, Rat
Description	Boster Bio Anti-beta Catenin/CTNNB1 Antibody catalog # PA1212-1. Tested in IHC, ICC, WB applications. This antibody reacts with Human, Mouse, Rat. The brand Picoband indicates this is a premium antibody 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	IHC, ICC, WB
Clonality	Polyclonal
Formulation	Each vial contains antibody formulated with stabilizing components, 0.9mg NaCl, 0.2mg Na ₂ HPO ₄ , 0.05mg Thimerosal, 0.05mg NaN ₃ . *This antibody is supplied in a stabilized formulation. Compatibility with conjugation reactions depends on the chemistry of the conjugation method used. For conjugation methods that are not compatible with the stabilizing components present in this formulation, a carrier-free antibody format is required.
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	P35222

Technical Details

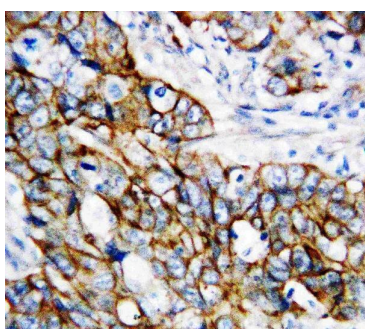
Immunogen	A synthetic peptide corresponding to a sequence at the N-terminus of human beta Catenin, identical to the related rat and mouse sequences.
Recommended Detection Systems	Boster recommends Enhanced Chemiluminescent Kit with anti-Rabbit IgG (EK1002) for Western blot, and HRP Conjugated anti-Rabbit IgG Super Vision Assay Kit (SV0002-1) for IHC(P), IHC(F) and ICC.

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	Immunocytochemistry , 0.5-1ug/ml, Human, Mouse, Rat Immunohistochemistry (Frozen Section), 0.5-1ug/ml, Mouse, Rat, Human Immunohistochemistry (Paraffin-embedded Section), 0.5-1ug/ml, Human, Mouse, Rat Western blot, 0.1-0.5ug/ml, Human, Rat, Mouse

Anti-beta Catenin/CTNNB1 Antibody Picoband® (PA1212-1) Images



Anti-beta Catenin antibody, PA1212-1, Western blotting
Lane 1: Rat Brain Tissue Lysate
Lane 2: Rat Heart Tissue Lysate
Lane 3: Rat Testis Tissue Lysate
Lane 4: MCF-7 Cell Lysate
Lane 5: HELA Cell Lysate
Lane 6: M453 Cell Lysate
Lane 7: M231 Cell Lysate
Lane 8: HT1080 Cell Lysate



Anti-beta Catenin antibody, PA1212-1, IHC(P)
IHC(P): Human Mammary Cancer Tissue

20 Publications Citing This Product

1. PubMed ID: 32519176, Piao HY, Guo S, Wang Y, Zhang J. Exosome-transmitted lncRNA PCGEM1 promotes invasive and metastasis in gastric cancer by maintaining the stability of SNAI1. Clin Transl Oncol. 2020 Jun 9. doi:10.1007/s12094-020-02412-9. Epub ahead of print. PMID:32519176.
2. PubMed ID: 25995040, Prolonged overexpression of Wnt10b induces epidermal keratinocyte transformation through activating EGF pathway
3. PubMed ID: 25286828, Combination of lithium chloride and pEGFP-N1-BmK CT effectively decreases proliferation and migration of C6 glioma cells

Visit bosterbio.com/anti-beta-catenin-antibody-pa1212-1-boster.html to see all 20 publications.

Submit a product review to Biocompare.com

Submit a review of this product to 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-beta Catenin/CTNNB1 Antibody

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