# Anti-Beta Catenin/CTNNB1 Antibody

**Catalog Number: *A00004***

BOSTER®
antibody and ELISA experts
**BOSTER BIOLOGICAL TECHNOLOGY**
Building C21, 3rd to 5th Floors, Optics Valley Biopharmaceutical Accelerator,
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## Basic Information

| | |
|---|---|
| **Product Name** | Anti-Beta Catenin/CTNNB1 Antibody |
| **Gene Name** | CTNNB1 |
| **Source** | Rabbit |
| **Clonality** | Polyclonal |
| **Isotype** | IgG |
| **Species Reactivity** | human, mouse, rat |
| **Tested Application** | WB, IHC, IF, ICC/IF, FCM, ELISA |
| **Contents** | 500 ug/ml antibody with PBS, 0.02% NaN3, 1 mg/ml BSA and 50% glycerol. |
| **Immunogen** | E. coli-derived human beta Catenin recombinant protein (Position: A2-K233). |
| **Concentration** | 500 ug/ml |
| **Purification** | Immunogen affinity purified. |
| **Observed MW** | 95 kDa |
| **Dilution Ratios** | Western blot (WB): 1:500-2000<br>Immunohistochemistry (IHC): 1:50-400<br>Immunofluorescence (IF): 1:50-400<br>Immunocytochemistry/Immunofluorescence (ICC/IF): 1:50-400<br>Flow Cytometry (Fixed): 1:50-200<br>Enzyme linked immunosorbent assay (ELISA): 1:100-1000<br>(Boiling the paraffin sections in 10mM citrate buffer,pH6.0,or PH8.0 EDTA repair liquid for 20 mins is required for the staining of formalin/paraffin sections.) Optimal working dilutions must be determined by end user. |

## Storage

12 months from date of receipt，-20℃ as supplied.

## Background Information

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 hepatpomegaly, liver zonation, and

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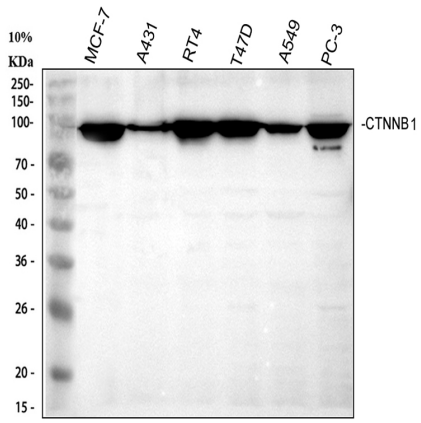
pathogenesis of liver cancer.

## Reference

Anti-Beta Catenin/CTNNB1 Antibody 被引用在13文献中。

## Selected Validation Data




Western blot analysis of Beta Catenin/CTNNB1 using anti-Beta Catenin/CTNNB1 antibody (A00004). 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,
Lane 3: human RT4 whole cell lysates,
Lane 4: human T-47D whole cell lysates,
Lane 5: human A549 whole cell lysates,
Lane 6: human PC-3 whole cell lysates.
After electrophoresis, proteins were transferred to a membrane. Then the membrane was incubated with rabbit anti-Beta Catenin/CTNNB1 antigen affinity purified polyclonal antibody (A00004) at a dilution of 1:1000 and probed with a goat anti-rabbit IgG-HRP secondary antibody (Catalog # BA1054). The signal is developed using ECL Plus Western Blotting Substrate (Catalog # AR1197). A specific band was detected for Beta Catenin/CTNNB1 at approximately 95 kDa. The expected band size for Beta Catenin/CTNNB1 is at 85 kDa.

Product datasheet

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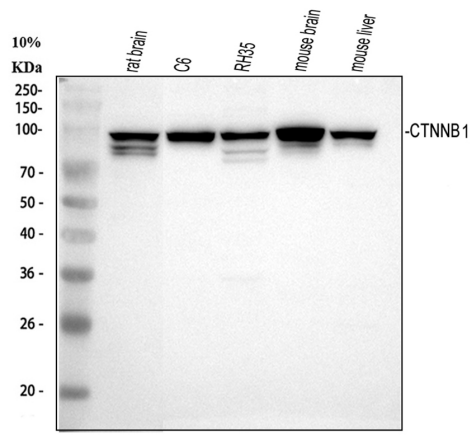
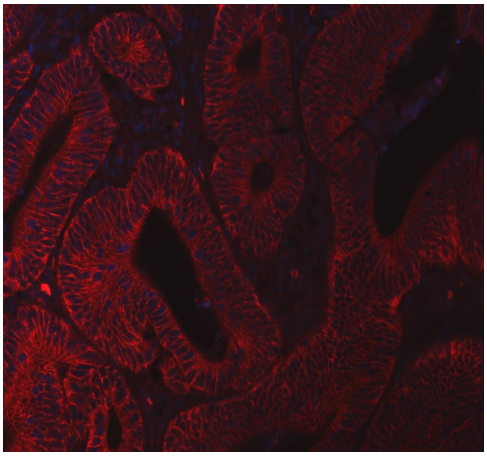



Western blot analysis of Beta Catenin/CTNNB1 using anti-Beta Catenin/CTNNB1 antibody (A00004). The sample well of each lane was loaded with 30 ug of sample under reducing conditions.
Lane 1: rat brain tissue lysates,
Lane 2: rat C6 whole cell lysates,
Lane 3: rat RH-35 whole cell lysates,
Lane 4: mouse brain tissue lysates,
Lane 5: mouse liver tissue lysates.
After electrophoresis, proteins were transferred to a membrane. Then the membrane was incubated with rabbit anti-Beta Catenin/CTNNB1 antigen affinity purified polyclonal antibody (A00004) at a dilution of 1:1000 and probed with a goat anti-rabbit IgG-HRP secondary antibody (Catalog # BA1054). The signal is developed using ECL Plus Western Blotting Substrate (Catalog # AR1197). A specific band was detected for Beta Catenin/CTNNB1 at approximately 95 kDa. The expected band size for Beta Catenin/CTNNB1 is at 85 kDa.



IF analysis of Beta Catenin/CTNNB1 using anti-Beta Catenin/CTNNB1 antibody (A00004).
Beta Catenin/CTNNB1 was detected in a paraffin-embedded section of human intestine cancer tissue. The tissue section was incubated with rabbit anti-Beta Catenin/CTNNB1 Antibody (A00004) at a dilution of 1:100. Cy3-conjugated Anti-rabbit IgG Secondary Antibody (red)(Catalog#BA1032) was used as secondary antibody. The section was counterstained with DAPI (Catalog # AR1176) (Blue).

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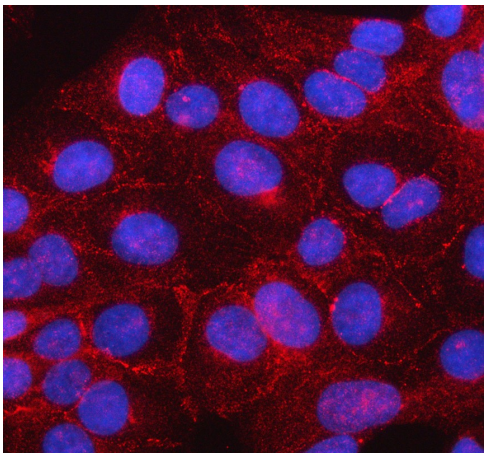
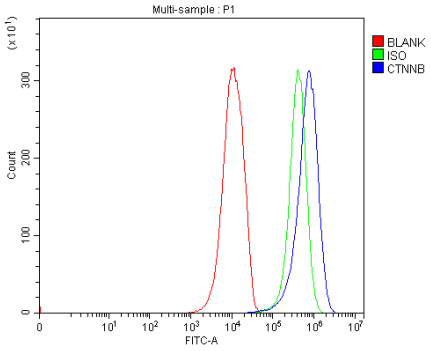


ICC/IF analysis of Beta Catenin/CTNNB1 using anti-Beta Catenin/CTNNB1 antibody (A00004).
Beta Catenin/CTNNB1 was detected in an immunocytochemical section of U2OS cells. The section was incubated with rabbit anti-Beta Catenin/CTNNB1 Antibody (A00004) at a dilution of 1:100. Cy3-conjugated Anti-rabbit IgG Secondary Antibody (red)(Catalog#BA1032) was used as secondary antibody. The section was counterstained with DAPI (Catalog # AR1176) (Blue).




Flow Cytometry analysis of Hela cells using anti-Beta Catenin/CTNNB1 antibody (A00004).
Overlay histogram showing Hela cells stained with A00004 (Blue line). The cells were fixed with 4% paraformaldehyde and blocked with 10% normal goat serum. And then incubated with rabbit anti-Beta Catenin/CTNNB1 Antibody (A00004) at 1:100 dilution for 30 min at 20°C. Fluoro488 conjugated goat anti-rabbit IgG (BA1127) was used as secondary antibody at 1:100 dilution for 30 minutes at 20°C. Isotype control antibody (Green line) was rabbit IgG at 1:100 dilution used under the same conditions. Unlabelled sample without incubation with primary antibody and secondary antibody (Red line) was used as a blank control.