Product datasheet

Anti-Beta Catenin/CTNNB1 Antibody

Catalog Number: *PA1212*

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, ICC/IF
Contents	500 ug/ml antibody with PBS, 0.02% NaN3, 1 mg/ml BSA and 50% glycerol.
Immunogen	A synthetic peptide corresponding to a sequence at the C-terminus of human beta Catenin, identical to the related rat and mouse sequences.
Concentration	500 ug/ml
Observed MW	95 kDa
Dilution Ratios	Western blot (WB): 1:500-2000 Immunohistochemistry (IHC): 1:50-400 Immunocytochemistry/Immunofluorescence (ICC/IF): 1:50-400 (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 pathogenesis of liver cancer.

Reference

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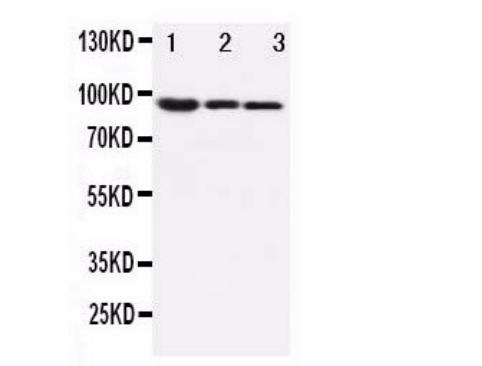
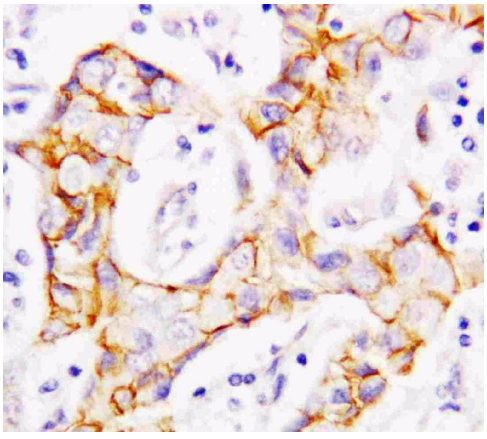
Anti-Beta Catenin/CTNNB1 Antibody 被引用在14文献中。

Selected Validation Data



Western blot analysis of Beta Catenin/CTNNB1 using anti-Beta Catenin/CTNNB1 antibody (PA1212). The sample well of each lane was loaded with 30 ug of sample under reducing conditions.
Lane 1: MM453 whole cell lysates ,
Lane 2: MCF-7 whole cell lysates ,
Lane 3: HELA 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 (PA1212) 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.



IHC analysis of Beta Catenin/CTNNB1 using anti-Beta Catenin/CTNNB1 antibody (PA1212).
Beta Catenin/CTNNB1 was detected in a paraffin-embedded section of human mammary cancer tissue. The tissue section was incubated with rabbit anti-Beta Catenin/CTNNB1 Antibody (PA1212) at a dilution of 1:200 and developed using HRP Conjugated Rabbit IgG Super Vision Assay Kit (Catalog # SV0002) with DAB (Catalog # AR1027) as the chromogen.

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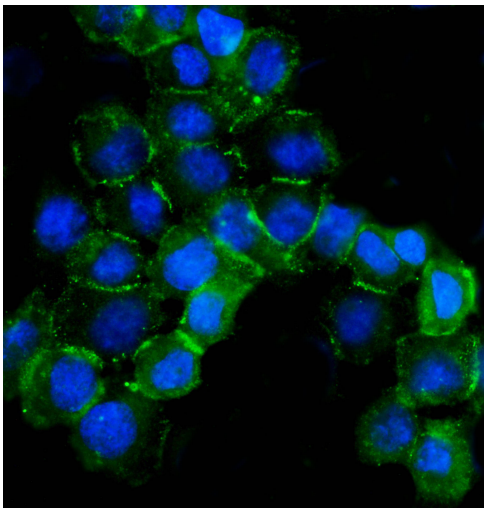

ICC/IF analysis of Beta Catenin/CTNNB1 using anti-Beta Catenin/CTNNB1 antibody (PA1212).
Beta Catenin/CTNNB1 was detected in an immunocytochemical section of A431 cells. The section was incubated with rabbit anti-Beta Catenin/CTNNB1 Antibody (PA1212) at a dilution of 1:100. Fluoro488 Conjugated Goat Anti-Rabbit IgG (Green) (Catalog # BA1127) was used as secondary antibody. The section was counterstained with DAPI (Catalog # AR1176) (Blue).