Product datasheet

Anti-Beta Catenin/CTNNB1 Antibody (Clone#EC-3)

Catalog Number: *BM3905*

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 (Clone#EC-3)
Gene Name	CTNNB1
Source	Rabbit
Clonality	Monoclonal
Isotype	IgG
Species Reactivity	human, mouse, rat
Tested Application	WB, IHC, ICC/IF, IP
Contents	500 ug/ml; Rabbit IgG in phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide, 0.4-0.5 mg/ml BSA and 50% glycerol.
Immunogen	A synthesized peptide derived from human beta Catenin
Concentration	500 ug/ml
Purification	Affinity-chromatography
Observed MW	95 kDa
Dilution Ratios	Western blot (WB): 1:1000-5000 Immunohistochemistry (IHC): 1:50-200 Immunocytochemistry/Immunofluorescence (ICC/IF):1:50-200 ImmunoPrecipitation (IP): 1:20

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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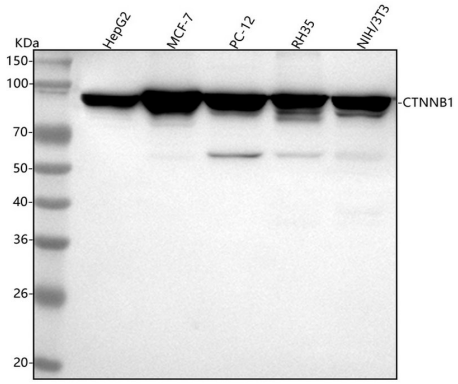
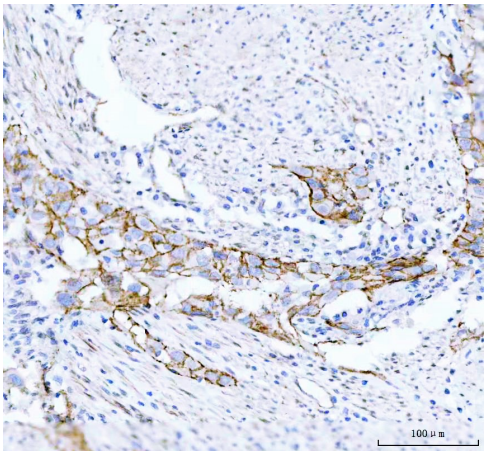
Anti-Beta Catenin/CTNNB1 Antibody (Clone#EC-3)被引用在10文献中。

Selected Validation Data



Western blot analysis of anti-Beta Catenin/CTNNB1 antibody (BM3905). The sample well of each lane was loaded with 30 ug of sample under reducing conditions.
Lane 1: human HepG2 whole cell lysates,
Lane 2: human MCF-7 whole cell lysates,
Lane 3: rat PC-12 whole cell lysates,
Lane 4: rat RH-35 whole cell lysates,
Lane 5: mouse NIH/3T3 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 monoclonal antibody (BM3905) 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 (BM3905) .
Beta Catenin/CTNNB1 was detected in a paraffin-embedded section of human bladder squamous cell carcinomar tissue. The tissue section was incubated with rabbit anti-Beta Catenin/CTNNB1 Antibody (BM3905) 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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