Product datasheet

Anti-Beta Catenin/CTNNB1 Antibody (Clone#1F6)

Catalog Number: *M00004-2*

BOSTER
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Basic Information

Product Name	Anti-Beta Catenin/CTNNB1 Antibody (Clone#1F6)
Gene Name	CTNNB1
Source	Mouse
Clonality	Monoclonal
Isotype	IgG1
Species Reactivity	human, mouse, rat
Tested Application	WB, IHC, ICC/IF, FCM
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). Human Catenin shares 100% amino acid (aa) sequence identity with both mouse and rat Catenin.
Concentration	500 ug/ml
Purification	protein G purified.
Observed MW	95 kDa
Dilution Ratios	Western blot (WB): 1:500-2000 Immunohistochemistry (IHC): 1:50-400 Immunocytochemistry/Immunofluorescence (ICC/IF): 1:50-400 Flow Cytometry (Fixed): 1:50-200 (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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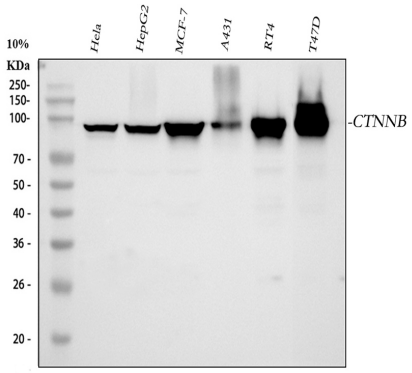
pathogenesis of liver cancer.

Reference

Anti-Beta Catenin/CTNNB1 Antibody (Clone#1F6)被引用在4文献中。

Selected Validation Data



Western blot analysis of anti-Beta Catenin/CTNNB1 antibody (M00004-2). 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 HepG2 whole cell lysates,
Lane 3: human MCF-7 whole cell lysates,
Lane 4: human A431 whole cell lysates,
Lane 5: human RT4 whole cell lysates,
Lane 6: human T-47D whole cell lysates.
After electrophoresis, proteins were transferred to a membrane. Then the membrane was incubated with mouse anti-Beta Catenin/CTNNB1 antigen affinity purified monoclonal antibody (M00004-2) at a dilution of 1:1000 and probed with a goat anti-mouse IgG-HRP secondary antibody (Catalog # BA1050). 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.

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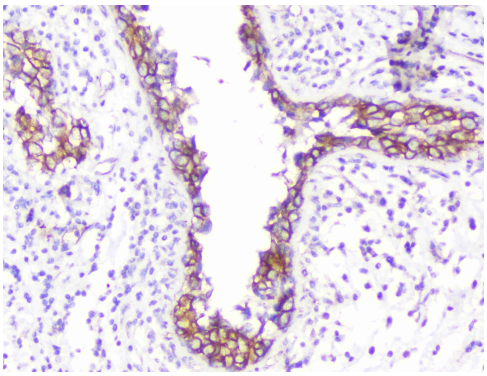
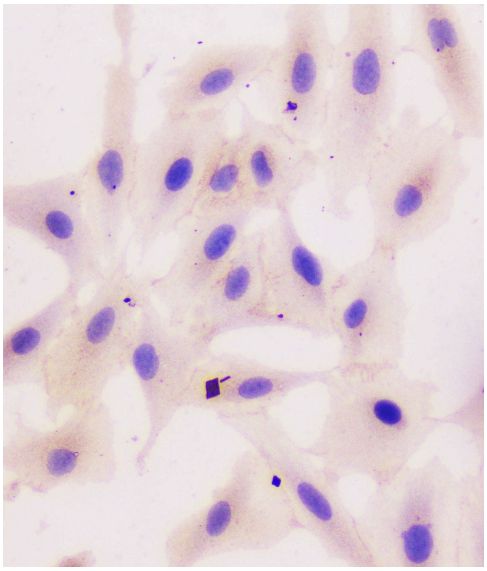
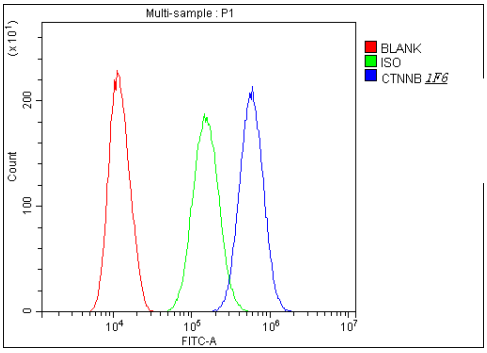


IHC analysis of Beta Catenin/CTNNB1 using anti-Beta Catenin/CTNNB1 antibody (M00004-2).
Beta Catenin/CTNNB1 was detected in a paraffin-embedded section of human mammary cancer tissue. Biotinylated goat anti-mouse IgG was used as secondary antibody. The tissue section was incubated with mouse anti-Beta Catenin/CTNNB1 Antibody (M00004-2) at a dilution of 1:200 and developed using Strepavidin-Biotin-Complex (SABC) (Catalog # SA1021) with DAB (Catalog # AR1027) as the chromogen.



ICC analysis of Beta Catenin/CTNNB1 using anti- Beta Catenin/CTNNB1 antibody (M00004-2).
Beta Catenin/CTNNB1 was detected in an immunocytochemical section of A549 cells. The section was incubated with mouse anti-Beta Catenin/CTNNB1 Antibody (M00004-2) at a dilution of 1:100. Biotinylated goat anti-mouse IgG was used as secondary antibody. The section was developed using Strepavidin-Biotin-Complex (SABC)(Catalog # SA1021) with DAB (Catalog # AR1027) as the chromogen.



Flow Cytometry analysis of SiHa cells using anti-beta Catenin antibody (M00004-2).Overlay histogram showing SiHa cells stained with M00004-2 (Blue line).The cells were blocked with 10% normal goat serum. And then incubated with mouse anti-beta Catenin Antibody (M00004-2, 1:100) for 30 min at 20°C. Fluoro®488 conjugated goat anti-mouse IgG (BA1126, 1:100) was used as secondary antibody for 30 minutes at 20°C. Isotype control antibody (Green line) was mouse IgG (1:100) used under the same conditions. Unlabelled sample (Red line) was also used as a control.