

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°C as supplied. 6 months 2 to 8°C after reconstitution. Avoid repeated freezing and thawing.

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 hepatomegaly, liver zonation, and pathogenesis of liver cancer.

Reference

Anti-Beta Catenin/CTNNB1 Antibody (Clone#EC-3)被引用在14文献中。

Selected Validation Data

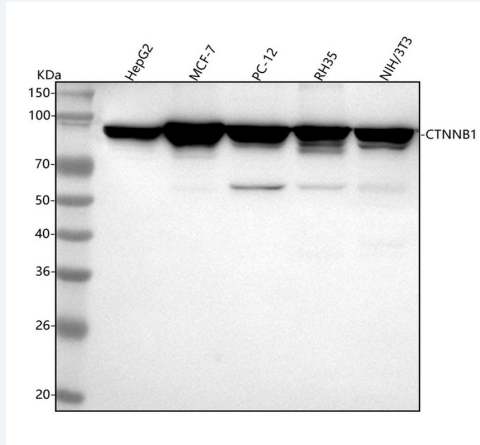


Figure 1. Western blot analysis of anti-Beta Catenin/CTNNB1 antibody (BM3905). The sample well of each lane was loaded with 30 ug of sample under reducing conditions.

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.

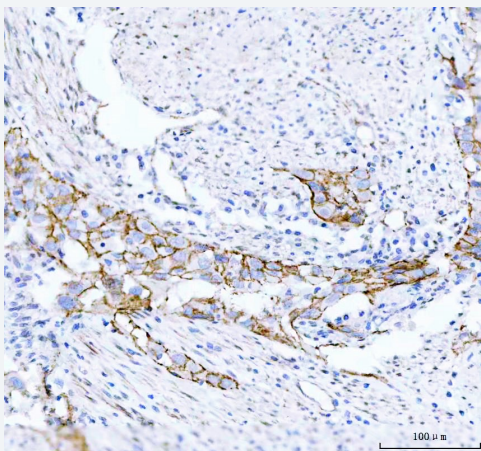


Figure 2. IHC analysis of Beta Catenin/CTNNB1 using anti-Beta Catenin/CTNNB1 antibody (BM3905) .

Beta Catenin/CTNNB1 was detected in a paraffin-embedded section of human bladder squamous cell carcinoma 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 # AR1022) as the chromogen.

Product datasheet

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

Catalog Number: BM3905

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