Datasheet for ABIN7202102

anti-beta Catenin antibody

5 Images

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Overview

Quantity:	100 µL
Target:	beta Catenin (CATNB)
Reactivity:	Human, Mouse, Rat
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This beta Catenin antibody is un-conjugated
Application:	Western Blotting (WB), Immunofluorescence (IF), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p))

Product Details

Purpose:	Catenin-β Monoclonal Antibody
Immunogen:	Recombinant Protein
Isotype:	IgG1
Specificity:	The antibody detects endogenous Catenin-β protein.
Purification:	The antibody was affinity-purified from mouse ascites by affinity-chromatography using epitope-specific immunogen

Target Details

Target:	beta Catenin (CATNB)
Alternative Name:	Catenin-beta (CATNB Products)

Target Details

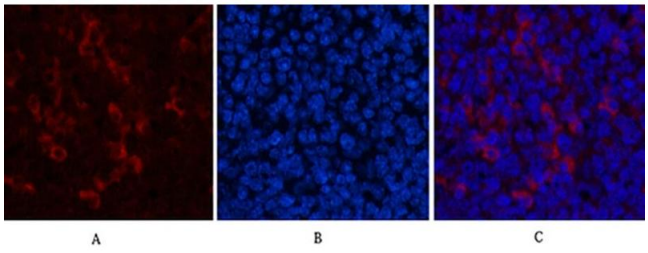
Background:	Mouse Anti-Catenin-β Monoclonal Antibody,The protein encoded by CTNNB1 (catenin beta 1) is part of a complex of proteins that constitute adherens junctions (AJs). AJs are necessary for the creation and maintenance of epithelial cell layers by regulating cell growth and adhesion between cells. The encoded protein also anchors the actin cytoskeleton and may be responsible for transmitting the contact inhibition signal that causes cells to stop dividing once the epithelial sheet is complete. Finally, this protein binds to the product of the APC gene, which is mutated in adenomatous polyposis of the colon. Mutations in CTNNB1 are a cause of colorectal cancer (CRC), pilomatrixoma (PTR), medulloblastoma (MDB), and ovarian cancer. Three transcript variants encoding the same protein have been found for CTNNB1.,Catenin beta-1
Gene ID:	1499
UniProt:	P35222
Pathways:	Peptide Hormone Metabolism

Application Details

Application Notes:	Optimal working dilutions should be determined experimentally by the investigator. Suggested starting dilutions are as follows: WB (1:1000-1:2000), IF (1:100-1:200), IHC-P (1:200-1:500).
Restrictions:	For Research Use only

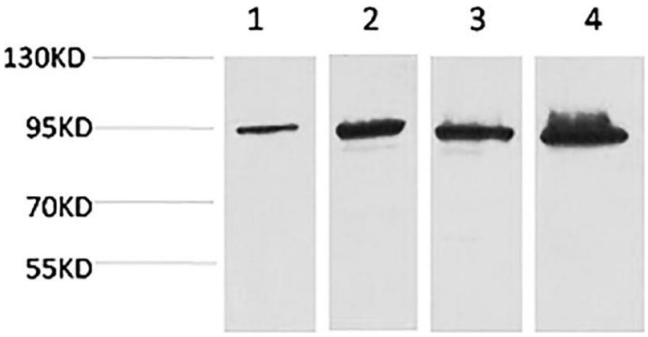
Handling

Format:	Liquid
Concentration:	1 mg/mL
Buffer:	PBS, pH 7.4, containing 0.02 % Sodium Azide as preservative and 50 % Glycerol.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	-20 °C
Storage Comment:	Stable for one year at -20°C from date of shipment. For maximum recovery of product, centrifuge the original vial after thawing and prior to removing the cap. Aliquot to avoid repeated freezing and thawing.



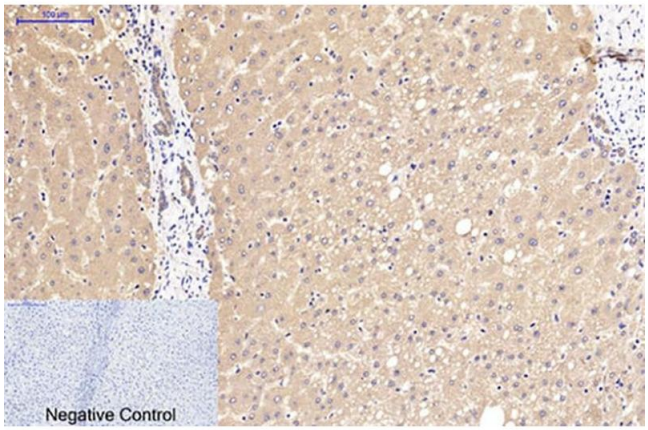
Immunofluorescence

Image 1. Immunofluorescence analysis of mouse spleen tissue. 1, Catenin-β Monoclonal Antibody (red) was diluted at 1:200 (4 °C, overnight). 2, Cy3 Labeled secondary antibody was diluted at 1:300 (room temperature, 50 min). 3, Picture B: DAPI (blue) 10 min. Picture A: Target. Picture B: DAPI. Picture C: merge of A+B.



Western Blotting

Image 2. Western blot analysis of 1) Hela, 2) 293T, 3) Mouse Liver tissue, 4) Rat Liver tissue using Catenin-β Monoclonal Antibody.



Immunohistochemistry

Image 3. Immunohistochemical analysis of paraffin-embedded human liver tissue. 1, Catenin-β Monoclonal Antibody was diluted at 1:200 (4 °C, overnight). 2, Sodium citrate pH 6.0 was used for antibody retrieval (>98 °C, 20 min). 3, secondary antibody was diluted at 1:200 (room temperature, 30 min). Negative control was used by secondary antibody only.

Please check the product details page for more images. Overall 5 images are available for ABIN7202102.