

Product Datasheet

beta Catenin (5D6) Mouse mAb

Catalog No: AB3418

Reactivity: Human,Mouse,Rat

Isotype: Mouse IgG1

Applications: WB



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Information

UniProt ID: P35222

All Names: EVR7; CTNNB; MRD19; armadillo;CTNNB1.

Form: Liquid

Storage instructions: Store at +4°C short term. Store at -20°C long term. Avoid freeze / thaw cycle.

Storage buffer: pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.

Purity: Affinity-chromatography

Immunogen: A synthesized peptide

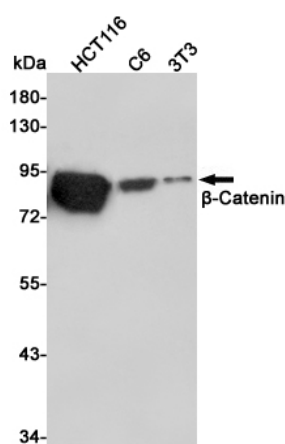
Molecular Wt.: 92kDa

Application

WB 1:500-1:1000

Background

Swiss-Prot Acc.P35222.Key downstream component of the canonical Wnt signaling pathway. In the absence of Wnt, forms a complex with AXIN1, AXIN2, APC, CSNK1A1 and GSK3B that promotes phosphorylation on N-terminal Ser and Thr residues and ubiquitination of CTNNB1 via BTRC and its subsequent degradation by the proteasome. In the presence of Wnt ligand, CTNNB1 is not ubiquitinated and accumulates in the nucleus, where it acts as a coactivator for transcription factors of the TCF/LEF family, leading to activate Wnt responsive genes.Involved in the regulation of cell adhesion. The majority of beta-catenin is localized to the cell membrane and is part of E-cadherin/catenin adhesion complexes which are proposed to couple cadherins to the actin cytoskeleton.



Western blot detection of β -Catenin in HCT116,C6 and 3T3 cell lysates using β -Catenin mouse mAb(dilution 1:1000).Predicted band size:92kDa.Observed band size:92kDa.

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