

## Beta-catenin monoclonal antibody

Catalog: MB66700

Host: Mouse

Reactivity: Human, Mouse, Rat

### BackGround:

$\beta$ -catenin is a key downstream effector in the Wnt signaling pathway. It is implicated in two major biological processes in vertebrates: early embryonic development and tumorigenesis. CK1 phosphorylates  $\beta$ -catenin at Ser45. This phosphorylation event primes  $\beta$ -catenin for subsequent phosphorylation by GSK-3 $\beta$ . GSK-3 $\beta$  destabilizes  $\beta$ -catenin by phosphorylating it at Ser33, Ser37, and Thr41. Mutations at these sites result in the stabilization of  $\beta$ -catenin protein levels and have been found in many tumor cell lines.

### Product:

Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide, pH 7.3.

### Molecular Weight:

~ 92 kDa

### Swiss-Prot:

P35222

### Purification&Purity:

The antibody was purified by immunogen affinity chromatography.

### Applications:

WB (1/500 - 1/1000)

### Storage&Stability:

Store at 4 °C short term. Aliquot and store at -20 °C long term. Avoid freeze-thaw cycles.

### Specificity:

Recognizes endogenous levels of Beta-catenin protein.

### DATA:



Western blot analysis of Beta-catenin expression in HCT116 (A), C6 (B), NIH3T3 (C) whole cell lysates.

### Note:

For research use only, not for use in diagnostic procedure.

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