

CTNNB1

Reactivity: Human Mouse Rat

Tested applications: WB IHC

Recommended Dilution: WB 1:500 - 1:2000 IHC 1:50 - 1:100

Calculated MW: 86kDa

Observed MW: Refer to Figures

Immunogen:

A synthetic peptide of human CTNNB1

Storage Buffer:

Store at -20. Avoid freeze / thaw cycles. Buffer: PBS with 0.02% sodium azide, 50% glycerol, pH7.3.

Concentration:

at

Synonym:

CTNNB; DKFZp686D02253; FLJ25606; FLJ37923; -catenin;

Catalog #: A2064

Antibody Type:

Polyclonal Antibody

Species: Rabbit

Gene ID: 1499

Isotype: IgG

Swiss Prot: P35222

Purity: Affinity purification

For research use only.

Background:

-Catenin is a key downstream effector in the Wnt signaling pathway (1). It is implicated in two major biological processes in vertebrates: early embryonic development (2) and tumorigenesis (3). CK1 phosphorylates -catenin at Ser45. This phosphorylation event primes -catenin for subsequent phosphorylation by GSK-3 (4-6). GSK-3 destabilizes -catenin by phosphorylating it at Ser33, Ser37, and Thr41 (7). Mutations at these sites result in the stabilization of -catenin protein levels and have been found in many tumor cell lines (8).

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