

## CTNNB1

**Reactivity:**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.

**Synonym:**

CTNNB; DKFZp686D02253; FLJ25606; FLJ37923; -catenin;

**Catalog #:**A11343

**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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