



CTNNB1 Antibody

#24239

Catalog Number: 24239-1, 24239-2

Amount: 50µg/50µl, 100µg/100µl

Swiss-Prot No. : P35222

Form of Antibody: Rabbit IgG in phosphate buffered saline (without Mg²⁺ and Ca²⁺), pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.

Storage/Stability: Store at -20°C/1 year

Immunogen: The antiserum was produced against synthesized peptide derived from Human CTNNB1

Purification: The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.

Specificity/Sensitivity: CTNNB1 Antibody detects endogenous levels of total CTNNB1

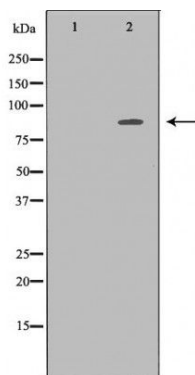
Reactivity: Human, Mouse, Rat

Applications:

Predicted MW: 86kd

WB: 1:500-2000

IHC: 1:50-200



Western blot analysis of extracts of HeLa cell lines, using CTNNB1 antibody.

Background :

β -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 β -catenin at Ser45. This phosphorylation event primes β -catenin for subsequent phosphorylation by GSK-3 β . GSK-3 β destabilizes β -catenin by phosphorylating it at Ser33, Ser37, and Thr41 . Mutations at these sites result in the stabilization of β -catenin protein levels and have been found in many tumor cell lines .