

CTNNB1 antibody

Catalog No: #38350

Package Size: #38350-1 50ul #38350-2 100ul

Orders: order@signalwayantibody.com

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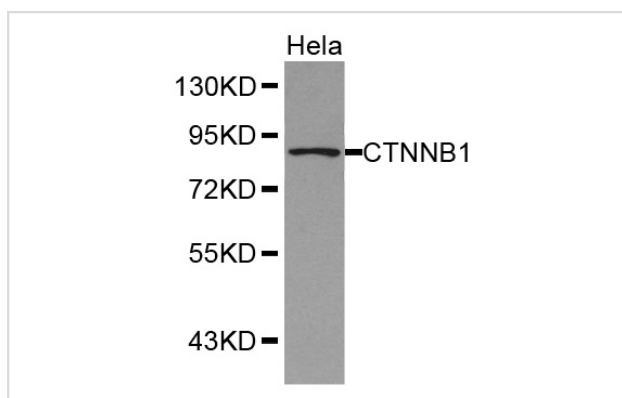
Description

Product Name	CTNNB1 antibody
Host Species	Rabbit
Clonality	Polyclonal
Purification	Antibodies were purified by affinity purification using immunogen.
Applications	WB
Species Reactivity	Hu Ms Rt
Specificity	The antibody detects endogenous level of total CTNNB1 protein.
Immunogen Type	Peptide
Immunogen Description	A synthetic peptide of human CTNNB1.
Target Name	CTNNB1
Other Names	CTNNB; DKFZp686D02253; FLJ25606; FLJ37923; β -catenin;
Accession No.	Swiss-Prot#: P35222NCBI Gene ID: 1499
Uniprot	P35222
GeneID	1499;
SDS-PAGE MW	86kd
Concentration	1.0mg/ml
Formulation	Supplied at 1.0mg/mL in phosphate buffered saline (without Mg ²⁺ and Ca ²⁺), pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Storage	Store at -20°C

Application Details

Western blotting: 1:500 - 1:2000

Images



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

Note: This product is for in vitro research use only