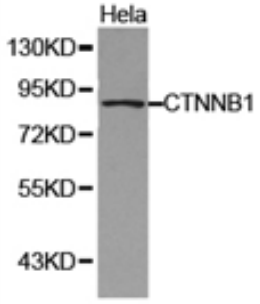
E92064

CTNNB1 Polyclonal Antibody

Catalog Number: E92064
Amount: 100ul
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-3β (4-6). GSK-3β 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).
Species: Rabbit
Isotype: IgG
Storage/Stability: Store at -20oC or -80oC. Avoid freeze / thaw cycles. Buffer: PBS with 0.02% sodium azide, 50% glycerol, pH7.3.
Synonyms: CTNNB; DKFZp686D02253; FLJ25606; FLJ37923;β-catenin;
Immunogen: A synthetic peptideof human CTNNB1
Purification: Affinity purification
Reactivity: H M R
Applications: WB IHC
Molecular Weight: 86kDa
Swiss-Prot No. : P35222
Gene ID: 1499
References: 1. Cadigan, K.M. and Nusse, R. (1997) Genes Dev. 11, 3286-3305. 2. Wodarz, A. and Nusse, R. (1998) Annu. Rev. Cell. Dev. Biol. 14, 59-88. 3. Polakis, P. (1999) Curr. Opin. Genet. Dev. 9, 15-21. 4. Amit, S. et al. (2002) Genes Dev. 16, 1066-1076. 5. Lin, C. et al. (2002) Cell 108, 837-847. 6. Yanagawa, S. et al. (2002) EMBO J. 21, 1733-1742. 7. Yost, C. et al. (1996) Genes Dev. 10, 1443-1454. 8. Morin, P.J. (1997) Science 275, 1787-1790.

WB 1:500 - 1:2000
IHC 1:50- 1:200



Western blot analysis of extracts of HeLacell lines, using CTNNB1 antibody.

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