CTNNB1(D32Y)

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Cat. #: 26302
Gene Symbol: Beta-catenin, CTNNB, Catenin beta-1
Description: Anti-CTNNB1(D32Y) Mouse Monoclonal Antibody
Background: CTNNB1 protein is a dual function protein. It is a subunit of a complex of proteins that from adherent junctions, which are important for the establishment and maintenance of epithelial cell layers by regulating cell growth and adhesion between adjacent cells. CTNNB1 protein also pulls double duty as an intracellular signal transducer in the Wnt signaling pathway. Mutations of CTNNB1 have been implicated in the pathogenesis of several cancers.
Immunogen: A synthetic peptide from the internal region of CTNNB1 which includes the mutation of D32Y, human origin.
Applications: ELISA, WB, IHC
Recommended Dilutions:
ELISA: 1:1000-1:2000
WB: 1:500-1:1000
IHC: 1:50-1:100
Concentration: 0.5 mg/ml
Host Species: Mouse
Format: Liquid
Clonality: Monoclonal
Isotype: IgG
Purity: Purified from ascites
Preservative: No
Constituents: PBS (without Mg2+ and Ca2+), pH 7.4, 150 mM NaCl, 50% glycerol
Species Reactivity: Recognizes D32Y mutant, but not wild type CTNNB1 of vertebrates.
Storage Conditions: Store at -20°C. Avoid repeated freezing and thawing

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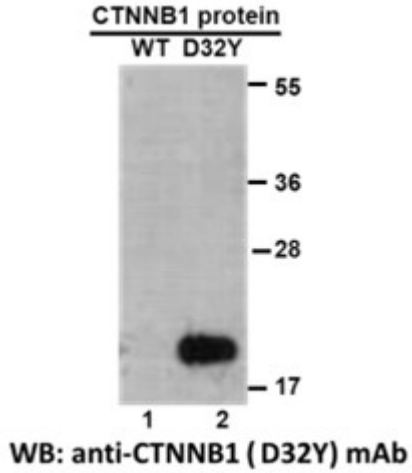
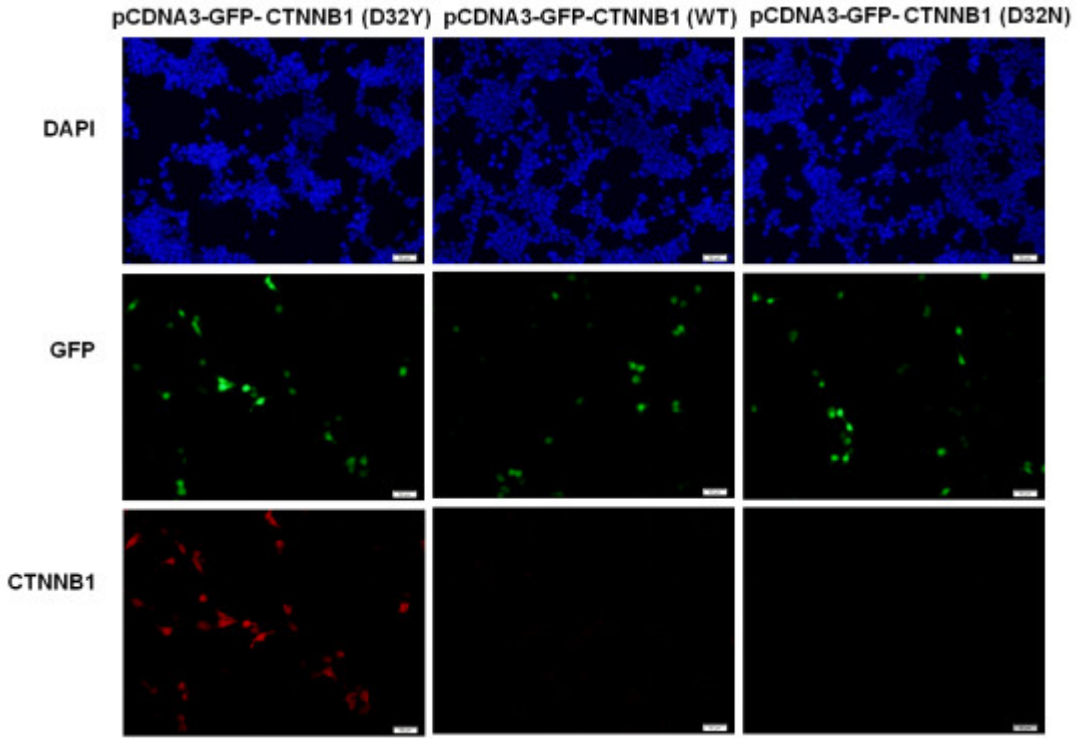
Western blot:



Western blot analysis of recombinant CTNNB1(D32Y) and wild type proteins.
Purified His-tagged CTNNB1(D32Y) protein (lane2) and corresponding wild type protein (lane1) were blotted with anti-CTNNB1(D32Y) monoclonal antibody (Cat. #26302).

Immunofluorescence:



Immunofluorescence of cells expressing CTNNB1 proteins with anti-CTNNB1(D32Y) antibody.
HEK293T cells were transfected with pCDNA3-GFP-CTNNB1(D32Y) plasmid, pCDNA3-GFP-CTNNB1 (WT) plasmid or pCDNA3-GFP-CTNNB1 (D32N) plasmid, then fixed and stained with anti-CTNNB1(D32Y) monoclonal antibody (Cat. #26302).

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