CTNNB1(S37Y)

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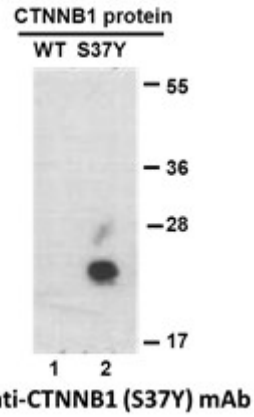
Cat. #: 26296
Gene Symbol: CTNNB1
Description: Anti-CTNNB1(S37Y) Mouse Monoclonal Antibody
Background: CTNNB1 protein is a dual function protein. It is a subunit of a complex of proteins that from adherent junctions, which are important for the establishment and maintenance of epithelial cell layers 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. Mutant CTNNB1 (ß-catenin) has been implicated in the pathogenesis of several cancers including melanoma, colorectal cancer, hepatocellular carcinoma, and ovarian cancer. Mutations has been implicated in the pathogenesis of several cancers.
Immunogen: A synthetic peptide from the internal region of CTNNB1 which includes the mutation of S37Y, human origin.
Applications: ELISA, WB, IHC
Recommended Dilutions:
ELISA: 1:1000-1:5000
WB: 1:500-1:2000
IHC: 1:50-1:100
Concentration: 1mg/ml
Host Species: Mouse
Format: Liquid
Clonality: Monoclonal
Isotype: IgG
Purity: Purified from ascites
Preservative: No
Constituents: PBS (without Mg^{2+} and Ca^{2+}), pH 7.4, 150 mM NaCl, 50% glycerol
Species Reactivity: Recognizes S37Y mutant, but not wild type CTNNB1 of vertebrates.
Storage Conditions: Store at -20°C. Avoid repeated freezing and thawing

Western blot:

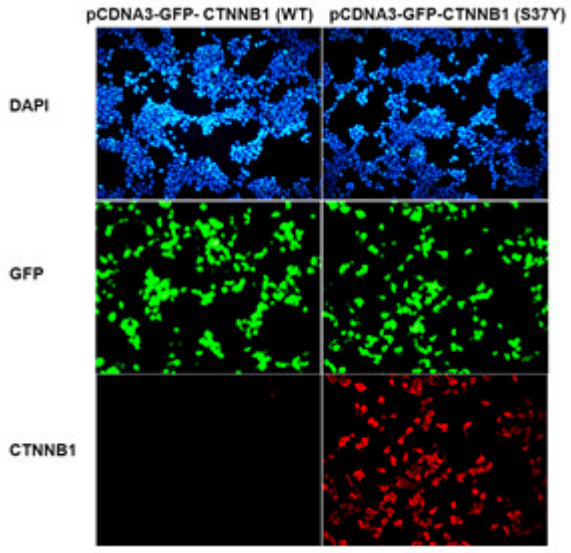


WB: anti-CTNNB1 (S37Y) mAb

Western blot analysis of recombinant CTNNB1 (S37Y) and wild type proteins.

Purified His-tagged CTNNB1 (S37Y) protein (lane 2) and corresponding wild type protein (lane 1) were blotted with Anti-CTNNB1(S37Y) monoclonal antibody (Cat. #26296).

Immunofluorescence:



Immunofluorescence of cells expressing CTNNB1 proteins with Anti-CTNNB1(S37Y) antibody. HEK293T cells were transfected with pCDNA3-GFP-CTNNB1 (WT) plasmid (left column) or pCDNA3-GFP-CTNNB1 (S37Y) plasmid (right column), then fixed and stained with Anti-CTNNB1(S37Y) monoclonal antibody (Cat. #26296).