CTNNB1(G34E)

CTNNB1(G34E)

Cat. #: 26300

Gene Symbol: Beta-catenin, CTNNB, Catenin beta-1

Description: Anti-CTNNB1(G34E) 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 G34E, 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 G34E mutant, but not wild type CTNNB1 of vertebrates.

Storage Conditions: Store at -20°C. Avoid repeated freezing and thawing
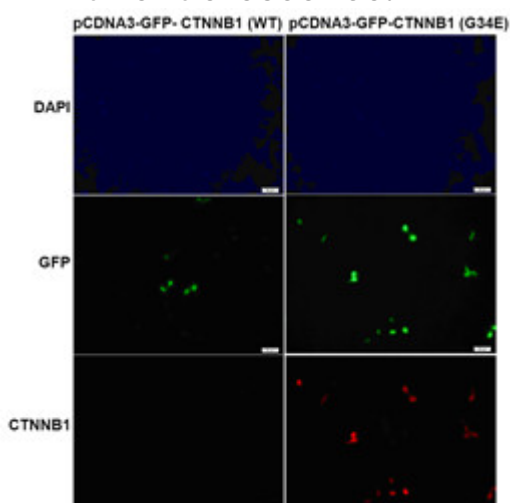
Western blot:
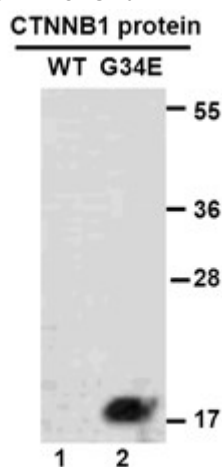
WB: anti-CTNNB1 (G34E) mAb

Western blot analysis of recombinant CTNNB1(G34E) and wild type proteins.

Purified His-tagged CTNNB1(G34E) protein (lane2) and corresponding wild type protein (lane1) were blotted with Anti-CTNNB1(G34E) monoclonal antibody (Cat. #26300).

Immunofluorescence:

Immunofluorescence of cells expressing CTNNB1 proteins with Anti-CTNNB1(G34E) antibody.

HEK293T cells were transfected with pCDNA3-GFP-CTNNB1 (WT) plasmid (left column) or pCDNA3-GFP-CTNNB1(G34E) plasmid (right column), then fixed and stained with Anti-CTNNB1(G34E) monoclonal antibody (Cat. #26300).