Product Description

Pioneering GTPase and Oncogene Product Development since 2010

CTNNB1(G34E)

Catalog Number: 26300
Gene Symbol: Beta-catenin, CTNNB, Catenin beta-1
Description: Anti-CTNNB1(G34E) Mouse Monoclonal Antibody

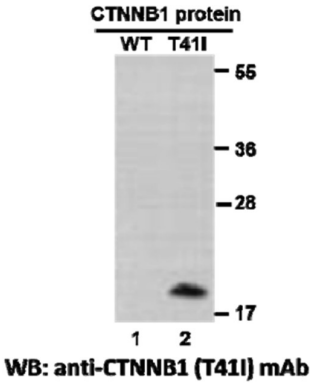
Background: CTNNB1 protein is a dual function protein. It is a subunit of a complex of proteins that from adherens junctions, which are important for the establishment and maintenance of epithelial cell layers by regulating cell growth and adhesion between adjacent cells. CTNNB1 protein also pulls double 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.
Tested Applications: ELISA, WB, IF, IHC
Recommended Dilutions:

ELISA:	1:1000-1:5000
WB:	1:500-1:1000
IF:	1:50-1:100
IHC:	1:50-1:100

Concentration: 1 mg/ml
Host: Mouse
Clonality: Monoclonal
Isotype: IgG
Purity: Purified from ascites
Format: Liquid
Preservative: No
Constituents: PBS (without Mg^{2+} and Ca^{2+}), pH7.4, 150 mM NaCl, 50% glycerol
Species Reactivity: Recognizes CTNNB1(G34E), but not wild type CTNNB1 protein from vertebrates.
Storage Conditions: Store at -20°C. Avoid repeated freezing and thawing

Immunofluorescence:

Western blot:



WB: anti-CTNNB1 (T41I) 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).

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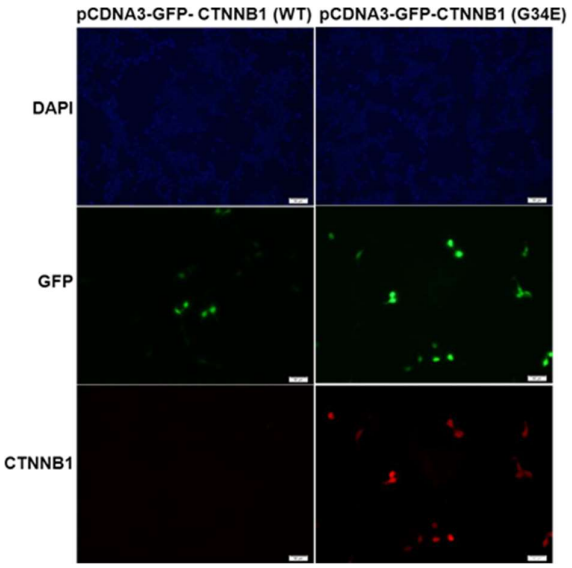
A helping hand for your research



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).

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