

Product Description

β -catenin(E53K)

Catalog Number: 26167

Gene Symbol: CTNNB1, CTNNB

Description: Anti- β -catenin(E53K) Mouse Monoclonal Antibody

Background: Beta-catenin (or β -catenin) is a protein that in humans is encoded by the CTNNB1 gene. β -catenin is a subunit of the cadherin protein complex and also acts as an intracellular signal transducer in the Wnt signaling pathway. Deregulation of beta-catenin signaling is an important event in the genesis of a number of malignancies, such as colon cancer, melanoma, hepatocellular carcinoma, ovarian cancer, endometrial cancer, medulloblastoma pilomatricomas, and prostate cancer.

Immunogen: A synthetic peptide from the internal region of β -catenin which includes the mutation of E53K, human origin.

Tested Applications: ELISA, WB, IF, IHC

Recommended Dilutions:

ELISA:	1:1000-1:5000
WB:	1:500-1:2000
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

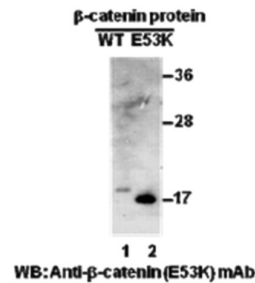
Preservative: No

Constituents: PBS (without Mg^{2+} and Ca^{2+}), pH7.4, 150 mM NaCl, 50% glycerol

Species Reactivity: Recognizes β -catenin (E53K), but not wild type β -catenin protein from vertebrates.

Storage Conditions: Store at $-20^{\circ}C$. Avoid repeated freezing and thawing

Western blot:

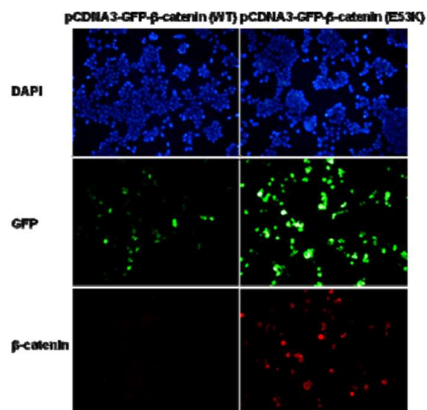


Western blot analysis of recombinant β -catenin(E53K) and wild type proteins.

Purified His-tagged β -catenin(E53K) protein (amino acids 1-76, lane 2) and corresponding wild type protein (lane 1) were blotted with anti- β -catenin(E53K) mouse monoclonal antibody (Cat. # 26167).

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Immunofluorescence:



Immunofluorescence of cells expressing β -catenin proteins with anti- β -catenin(E53K) antibody.

HEK293T cells were transfected with pCDNA3-GFP- β -catenin (WT) plasmid (left column) or pCDNA3-GFP- β -catenin(E53K) plasmid (right column), then fixed and stained with anti- β -catenin(E53K) monoclonal antibody (Cat. # 26167).

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