

CTNNB1(G34V)**CTNNB1(G34V)**

货号: 26299

基因符号: Beta-catenin, CTNNB, Catenin beta-1

描述: CTNNB1(G34V) 小鼠单克隆抗体

背景: CTNNB1 protein is a dual function protein. It is a subunit of a complex of proteins that form 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 (β -catenin) has been implicated in the pathogenesis of several cancers including melanoma, colorectal cancer, hepatocellular carcinoma, and ovarian cancer. Mutations of CTNNB1 have been implicated in the pathogenesis of several cancers.

免疫原: A synthetic peptide from the internal region of CTNNB1 which includes the mutation of G34V, human origin.

经过测试的应用: ELISA, WB, IHC

推荐稀释度:

ELISA: 1:1000-1:2000

WB: 1:500-1:1000

IHC: 1:50-1:100

浓度: 0.5 mg/ml

种属反应性: Mouse

形式: Liquid

克隆性: Monoclonal

亚型: IgG

纯化: Purified from ascites

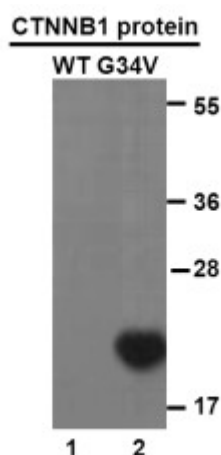
Preservative: No

成分: PBS (without Mg^{2+} and Ca^{2+}), pH 7.4, 150 mM NaCl, 50% glycerol

种属反应性: Recognizes G34V mutant, but not wild type CTNNB1 of vertebrates.

储存条件: Store at $-20^{\circ}C$. Avoid repeated freezing and thawing

Western blot:



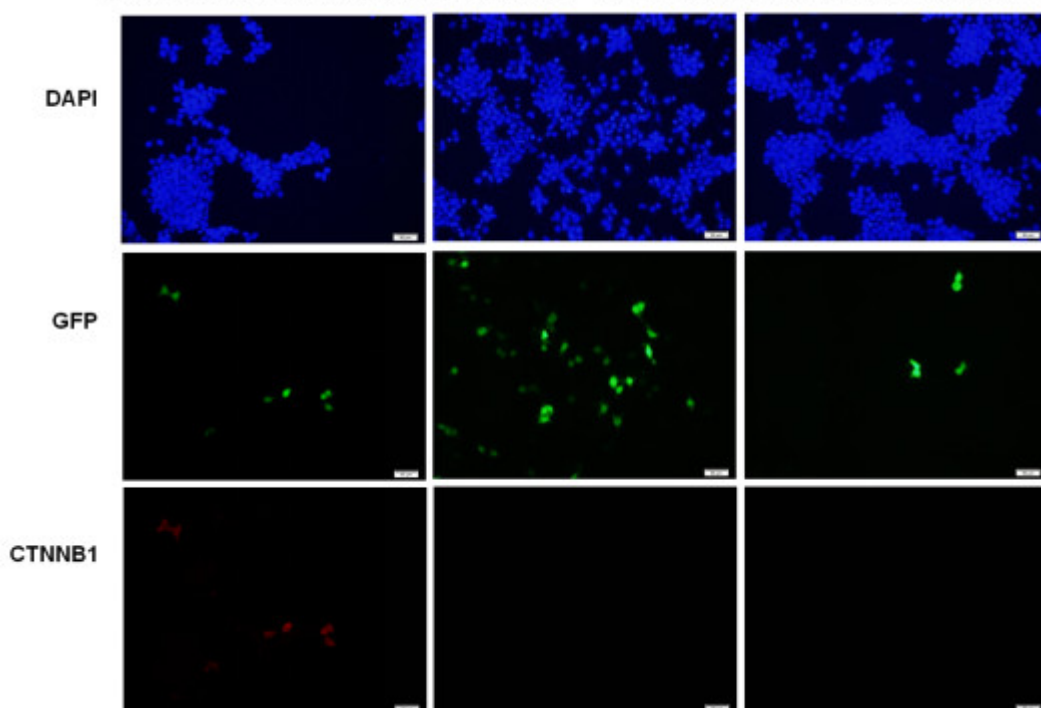
WB: anti-CTNNB1 (G34V) mAb

Western blot analysis of recombinant CTNNB1 (G34V) and wild type proteins.

Purified His-tagged CTNNB1 (G34V) protein (lane2) and corresponding wild type protein (lane1) were blotted with CTNNB1(G34V) monoclonal antibody (货号26299).

Immunofluorescence:

pCDNA3-GFP-CTNNB1 (D34V) pCDNA3-GFP-CTNNB1 (WT) pCDNA3-GFP-CTNNB1 (D34E)



Immunofluorescence of cells expressing CTNNB1 proteins with CTNNB1(G34V) antibody.

HEK293T cells were transfected with pCDNA3-GFP-CTNNB1 (G34V) plasmid, pCDNA3-GFP-CTNNB1 (WT) plasmid or pCDNA3-GFP-CTNNB1 (G34E) plasmid, then fixed and stained with CTNNB1(G34V) monoclonal antibody (货号26299).

