# B-CATENIN(G38D)

## β-Catenin(G38D)

**Cat. #:** 26169
**Gene Symbol:** CTNNB1, CTNNB
**Description:** Anti-β-catenin(G38D) 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 G38D, human origin.
**Applications:** ELISA, WB, IF, IHC
**Recommended Dilutions:**
ELISA: 1:1000-1:5000
WB: 1:500-1:2000
IHC: 1:50-100
**Concentration:** 1 mg/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 β-catenin(G38D), but not wild type β-catenin protein from vertebrates.
**Storage Conditions:** Store at -20°C. Avoid repeated freezing and thawing

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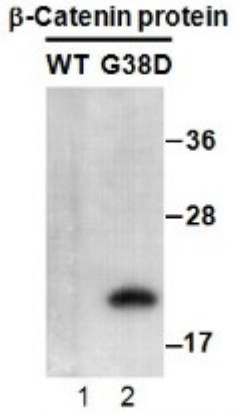
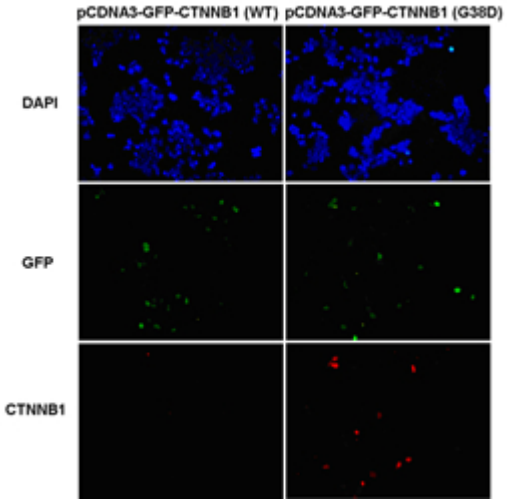
**Western blot:**




**WB: Anti-β-Catenin (G38D) mAb**

Western blot analysis of recombinant β-catenin(G38D) and wild type proteins. Purified His-tagged β-catenin(G38D) protein (amino acids 1-76, lane 2) and corresponding wild type protein (lane 1) were blotted with anti-β-catenin(G38D) mouse monoclonal antibody (Cat. #26169).

**Immunofluorescence:**




Immunofluorescence of cells expressing β-catenin proteins with anti-β-catenin(G38D) antibody. HEK293T cells were transfected with pCDNA3-GFP-CTNNB1 (WT) plasmid (left column) or pCDNA3-GFP-CTNNB1(G38D) plasmid (right column), then fixed and stained with anti-β-catenin(G38D) monoclonal antibody (Cat. #26169).

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