

# **Product Description**

Pioneering GTPase and Oncogene Product Development since 2010

### β-catenin(G48D)

Catalog Number: 26166 Gene Symbol: CTNNB1, CTNNB Description: Anti-\beta-catenin(G48D) Mouse Monoclonal Antibody

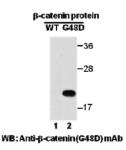
**Background:** Beta-catenin (or  $\beta$ -catenin) is a protein that in humans is encoded by the CTNNB1 gene. βcatenin is a subunit of the cadherin protein complex and also acts as an intracellular signal transducer in the Wnt signaling pathway. Deregulation of beta-catenin signaling is an important 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.

region of  $\beta$ -catenin, which includes the mutation of E53K, human origin.

Tested Applications: ELISA, WB, IF, IHC **Recommended Dilutions:** 

ELIS	SA:	1:1000-1:5000
WB	:	1:500-1:2000
IF:		1:50-1:100
IHC	2:	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 <sup>2+</sup> and Ca <sup>2+</sup> ), pH7.4, 150		
mM NaCl, 50% glycerol		
Species Reactivity: Recognizes β-catenin(G48D), but		
not wild type $\beta$ -catenin protein from vertebrates.		
Storage Conditions: Store at -20°C. Avoid repeated		
freezing and thawing		

Western blot:



Immunogen: A synthetic peptide from the internal Western blot analysis of recombinant β-catenin (G48D) and wild type proteins.

> Purified His-tagged β-catenin(G48D) protein (amino acids 1-76, lane 2) and corresponding wild type protein (lane 1) were blotted with anti-β-catenin(G48D) mouse monoclonal antibody (Cat. # 26166).

### FOR RESEARCH USE ONLY. NOT FOR DIAGNOSTIC APPLICATIONS

Support:

Web:

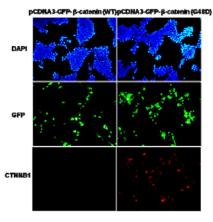
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# **Product Description**

A helping hand for your research

Immunofluorescence:



# Immunofluorescence of cells expressing $\beta$ -catenin proteins with anti- $\beta$ -catenin (G48D) antibody.

HEK293T cells were transfected with pCDNA3-GFP- $\beta$ catenin (WT) plasmid (left column) or pCDNA3-GFP- $\beta$ catenin(G48D) plasmid (right column), then fixed and stained with anti- $\beta$ -catenin(G48D) monoclonal antibody (Cat. # 26166).

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