

Product Description

Pioneering GTPase and Oncogene Product Development since 2010

CTNNB1(S45Y)

Catalog Number: 26309

Gene Symbol: Beta-catenin, CTNNB, Catenin beta-1

Description: Anti-CTNNB1(S45Y) Mouse Monoclonal Antibody

Background: CTNNB1 protein is a dual function protein. It is a subunit of a complex of proteins that from adherent junctions, which are importantfor 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 inthe pathogenesis of several cancers.

Immunogen: A synthetic peptide from the internal region of CTNNB1, which includes the

mutation of S45Y, human origin.

Tested Applications: ELISA, WB, IHC

Recommended Dilutions:

ELISA: 1:1000-1:2000 WB: 1:500-1:1000 IHC: 1:50-1:100 Concentration: 0.5 mg/ml

Host: Mouse

Clonality: Monoclonal Purity: Purified from ascites

Format: Liquid Preservative: No

Constituents: PBS (without Mg²⁺ and Ca²⁺), pH

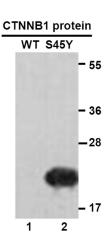
7.4, 150 mM NaCl, 50% glycerol

Species Reactivity: Recognizes S45Y mutant, but

not wild type CTNNB1 of vertebrates. **Storage Conditions:** Store at -20°C. Avoid

freeze / thaw cycles.

Western blot:



WB: anti-CTNNB1 (S45Y) mAb

Western blot analysis of recombinant CTNNB1(S45Y) and wild type proteins.

Purified His-tagged CTNNB1(S45Y) protein (lane 2) and corresponding wild type protein (lane 1) were blotted with anti-CTNNB1(S45Y) monoclonal antibody (Cat. # 26309).

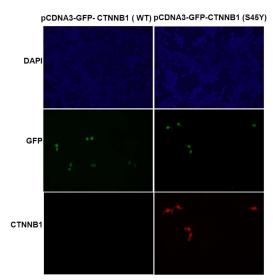
Web: www.neweastbio.com



Product Description

Pioneering GTPase and Oncogene Product Development since 2010

Immunofluorescence:



Immunofluorescence of cells expressing CTNNB1 proteins with anti-CTNNB1(S45Y) antibody.

HEK293T cells were transfected withpCDNA3-GFP-CTNNB1(WT) plasmid (left column) or pCDNA3-GFP-CTNNB1(S45Y) plasmid (right column), then fixed and stained with anti-CTNNB1(S45Y) monoclonal antibody(Cat. # 26309).

Web: