

β -catenin (A43V)

Catalog Number: 26170

Gene Symbol: CTNNB1, CTNNB

Description: Anti- β -catenin (A43V) 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 A43V, human origin.

Tested applications: ELISA, WB, IF, IHC

Recommended dilutions:

ELISA: 1:1000-1:5000

WB: 1:500-1:2000

IHC: 1:50-1:100

Concentration: 1 mg/ml

Host: Mouse

Clonality: Monoclonal

Purity: Purified from ascites

Format: Liquid

Storage buffer:

Preservative: no

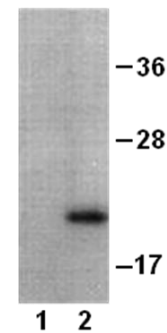
Constituents: PBS (without Mg^{2+} and Ca^{2+}), pH 7.4, 150 mM NaCl, 50% glycerol

Species Reactivity: Recognizes β -catenin (A43V), but not wild type β -catenin protein from vertebrates.

Storage Conditions: Store at $-20^{\circ}C$. Avoid freeze / thaw cycles.

Western blot:

β -Catenin protein
WT A43V



WB: Anti- β -Catenin (A43V) mAb

Western blot analysis of recombinant β -catenin (A43V) and wildtype proteins.

Purified His-tagged β -catenin (A43V) protein (amino acids 1-76, lane 2) and corresponding wild type protein (lane 1) were blotted with anti- β -catenin (A43V) mouse monoclonal antibody (Cat. #26170).