

β -catenin

Catalog Number: 21282

Gene Symbol: CTNNB1, CTNNB

Description: Anti- β -catenin Rabbit Polyclonal 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.

Tested Applications: ELISA, WB, IF, IHC

Recommended Dilutions:

ELISA:	1:1000-1:5000
WB:	1:500-1:2000
IF:	1:50-1:100
IHC:	1:50-1:100

Concentration: 1 mg/ml

Host: Rabbit

Clonality: Polyclonal

Purity: Purified from serum

Format: Liquid

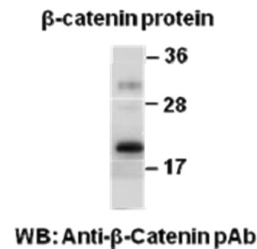
Preservative: No

Constituents: PBS (without Mg^{2+} and Ca^{2+}), pH7.4, 150 mM NaCl, 50% glycerol

Species Reactivity: Recognizes β -catenin from vertebrates.

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

Western blot:

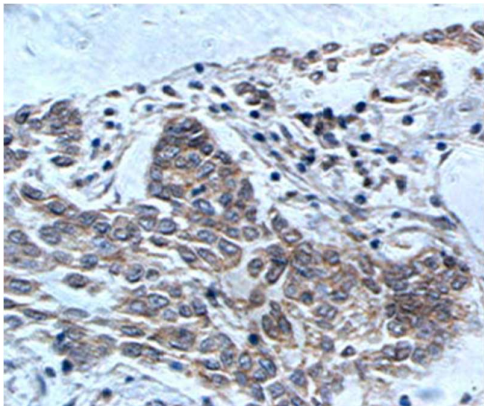


Western blot analysis of recombinant β -catenin protein.

Purified His-tagged β -catenin protein (amino acids 1-76) was blotted with anti- β -catenin rabbit polyclonal antibody (Cat. # 21282).

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Immunohistochemistry:



Immunohistochemical analysis of paraffin-embedded human breast cancer tissue with anti- β -catenin polyclonal antibody (Cat. # 21282).

Tissue samples were fixed with formaldehyde and blocked with 1% serum for 15 min at 37 °C. Antigen retrieval was by heat mediation in citrate buffer (pH6). Samples were then incubated with primary antibody (1:50 dilution) overnight at 4°C. A HRP-conjugated Goat anti-mouse IgG (1:50 dilution) was used as secondary antibody.

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