

Recombinant Non-Phospho (Active) β -Catenin (Ser33, Ser37, Thr41) Monoclonal Antibody

catalog number: AN301881L

Note: Centrifuge before opening to ensure complete recovery of vial contents.

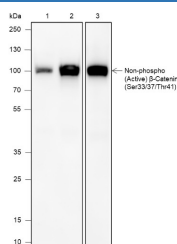
Description

Reactivity	Human;Rat;Mouse
Immunogen	Recombinant human Non-phospho (Active) β -Catenin (Ser33/37/Thr41) fragment
Host	Rabbit
Isotype	IgG, κ
Clone	A593
Purification	Protein A purified
Buffer	PBS, 50% glycerol, 0.05% Proclin 300, 0.05% protein protectant.

Applications Recommended Dilution

WB	1:500-1:1000
IHC	1:100-1:500
IF	1:50

Data

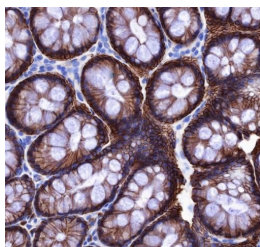


Western Blot with Non-Phospho (Active) β -Catenin (Ser33, Ser37, Thr41) Monoclonal Antibody at dilution of 1:1000.

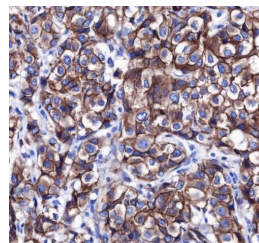
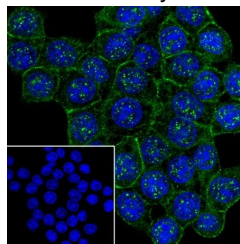
Lane 1: HeLa, Lane 2: HCT-116, Lane 3: C6

Observed-MW:100 kDa

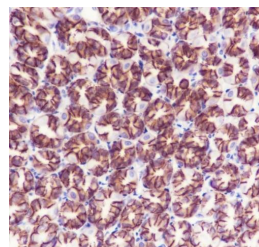
Calculated-MW:85 kDa



Immunohistochemistry of paraffin-embedded Mouse colon using Non-Phospho (Active) β -Catenin (Ser33, Ser37, Thr41) Monoclonal Antibody at dilution of 1:500.



Immunohistochemistry of paraffin-embedded Human breast cancer using Non-Phospho (Active) β -Catenin (Ser33, Ser37, Thr41) Monoclonal Antibody at dilution of 1:500.



Immunohistochemistry of paraffin-embedded Rat stomach using Non-Phospho (Active) β -Catenin (Ser33, Ser37, Thr41) Monoclonal Antibody at dilution of 1:500.

For Research Use Only

Toll-free: 1-888-852-8623
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Rev. V1.1

Immunofluorescent analysis of (100% Ice-cold methanol) fixed HCT-116 cells using anti-Non-Phospho (Active) β -Catenin (Ser33, Ser37, Thr41) Monoclonal Antibody at dilution of 1:50.

Preparation & Storage

Storage Store at -20°C Valid for 12 months. Avoid freeze / thaw cycles.

Shipping Ice bag

Background

β -catenin is a key downstream effector in the Wnt signaling pathway. It is implicated in two major biological processes in vertebrates: early embryonic development and tumorigenesis. CK1 phosphorylates β -catenin at Ser45. This phosphorylation event primes β -catenin for subsequent phosphorylation by GSK-3 β . GSK-3 β destabilizes β -catenin by phosphorylating it at Ser33, Ser37, and Thr41. Mutations at these sites result in the stabilization of β -catenin protein levels and have been found in many tumor cell lines. Non-phospho (Active) β -Catenin (Ser33/37/Thr41) Rabbit mAb specifically recognizes β -catenin that is non-phosphorylated at Ser33, Ser33 or Thr41. Non-phospho β -Catenin (Ser33, Ser33 or Thr41) protein is useful as a readout of stabilized β -catenin protein, and therefore functionally active in cell-cell adhesion and mediating transcriptional activity via the canonical Wnt signaling pathway.

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