

β-Catenin Rabbit pAb

Catalog No.: A11512

12 Publications

Basic Information

Observed MW

92kDa

Calculated MW

85kDa

Category

Primary antibody

Applications

WB, IHC-P, IP, ELISA

Cross-Reactivity

Human, Mouse, Rat


Background

The protein encoded by this gene is part of a complex of proteins that constitute adherens junctions (AJs). AJs are necessary for the creation and maintenance of epithelial cell layers by regulating cell growth and adhesion between cells. The encoded protein also anchors the actin cytoskeleton and may be responsible for transmitting the contact inhibition signal that causes cells to stop dividing once the epithelial sheet is complete. Finally, this protein binds to the product of the APC gene, which is mutated in adenomatous polyposis of the colon. Mutations in this gene are a cause of colorectal cancer (CRC), pilomatixoma (PTR), medulloblastoma (MDB), and ovarian cancer. Alternative splicing results in multiple transcript variants.

Recommended Dilutions

WB 1:100 - 1:500**IHC-P** 1:20 - 1:200**IP** 0.5μg-4μg antibody for
200μg-400μg extracts of
whole cells**ELISA** Recommended starting
concentration is 1 μg/mL.
Please optimize the
concentration based on
your specific assay
requirements.

Contact

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Immunogen Information

Gene ID

1499

Swiss Prot

P35222

Immunogen

Recombinant protein (or fragment). This information is considered to be commercially sensitive.

Synonyms

EVR7; CTNNB; MRD19; NEDSDV; armadillo; β-Catenin

Product Information

Source

Rabbit

Isotype

IgG

Purification

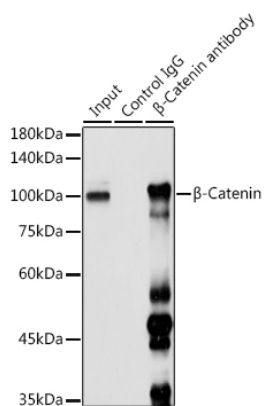
Affinity purification

Storage

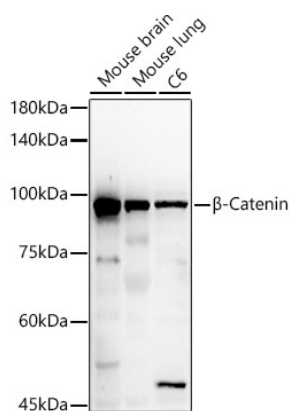
Store at -20°C. Avoid freeze / thaw cycles.

Buffer: PBS containing 50% glycerol, preserved with proclin300 or sodium azide (as specified on the Certificate of Analysis), pH 7.3.

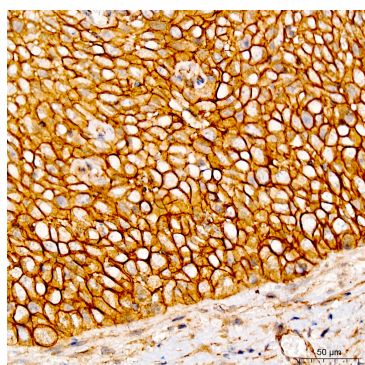
Validation Data



Immunoprecipitation analysis of 300 µg extracts of 293T cells using 3 µg β-Catenin antibody (A11512). Western blot was performed from the immunoprecipitate using β-Catenin antibody (A11512) at a dilution of 1:1000.



Western blot analysis of various lysates, using β-Catenin Rabbit pAb (A11512) at 1:500 dilution. Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution. Lysates/proteins: 25µg per lane. Blocking buffer: 3% nonfat dry milk in TBST. Detection: ECL Enhanced Kit (RM00021). Exposure time: 90s.



Immunohistochemistry analysis of paraffin-embedded Human cervix cancer tissue using β-Catenin Rabbit pAb (A11512) at a dilution of 1:100 (40x lens). High pressure antigen retrieval was performed with 0.01 M Tris-EDTA buffer (pH 9.0) prior to IHC staining.