

# β-Catenin Rabbit pAb

Catalog No.: A11512 **9 Publications**

## Basic Information

**Observed MW**

92kDa

**Calculated MW**

85kDa

**Category**

Primary antibody

**Applications**

ELISA, WB, IHC-P, IP

**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

## Immunogen Information

**Gene ID**

1499

**Swiss Prot**

P35222

**Immunogen**

Recombinant fusion protein containing a sequence corresponding to amino acids 667-781 of human β-Catenin (NP\_001895.1).

**Synonyms**

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

## Contact

 | [www.abclonal.com](http://www.abclonal.com)

## Product Information

**Source**

Rabbit

**Isotype**

IgG

**Purification**

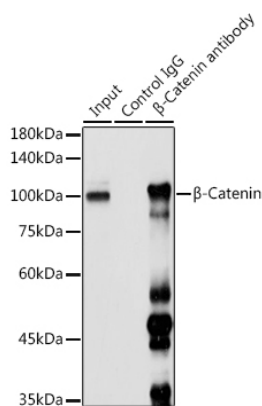
Affinity purification

**Storage**

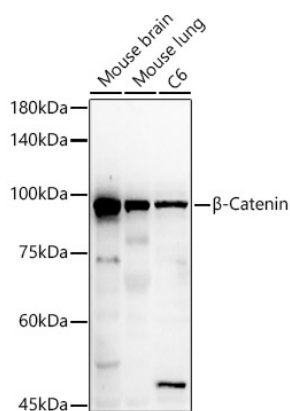
Store at -20°C. Avoid freeze / thaw cycles.

Buffer: PBS with 0.05% proclin300, 50% glycerol, pH7.3.

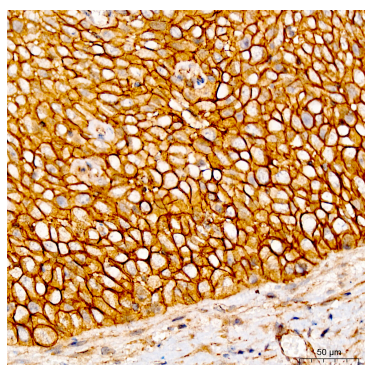
## Validation Data



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 Goat Anti-Rabbit IgG (H+L) (A5014) at 1:10000 dilution. Lysates/proteins: 25ug per lane. Blocking buffer: 3% nonfat dry milk in TBST. Detection: ECL Enhanced Kit (RM00021). Exposure time: 90s.



Immunohistochemistry analysis of β-Catenin in 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.