

A11512

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## β-Catenin Rabbit pAb

Catalog No.: A11512

10 Publications

### Basic Information

#### Observed MW

92kDa

#### Calculated MW

85kDa

#### Category

Polyclonal 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

### 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

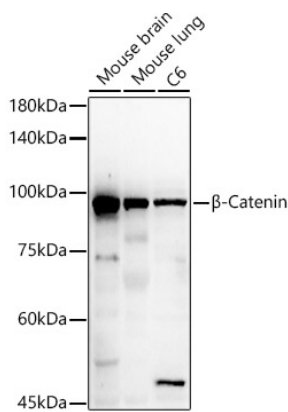
Affinity purification

#### Storage

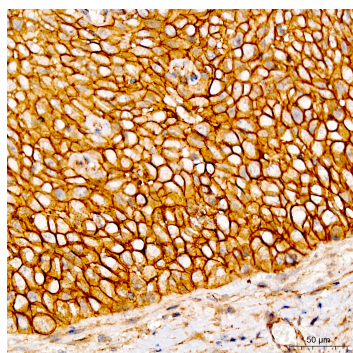
Store at -20°C. Avoid freeze / thaw cycles.

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

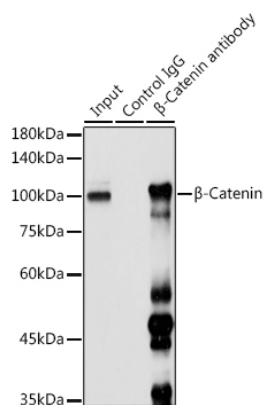
## Validation Data



Western blot analysis of various lysates, using  $\beta$ -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  $\beta$ -Catenin in paraffin-embedded human cervix cancer tissue using  $\beta$ -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.



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