

# Phospho- $\beta$ -Catenin-S33/S37 Rabbit mAb

Catalog No.: AP0979 **Recombinant** **2 Publications**

## Basic Information

### Observed MW

92kDa

### Calculated MW

85kDa

### Category

Primary antibody

### Applications

WB, ELISA

### Cross-Reactivity

Human

### CloneNo number

ARC1523

## 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** 1:500 - 1:1000

**ELISA** Recommended starting concentration is 1  $\mu$ g/mL. Please optimize the concentration based on your specific assay requirements.

## Immunogen Information

### Gene ID

1499

### Swiss Prot

P35222

### Immunogen

Synthetic peptide. This information is considered to be commercially sensitive.

### Synonyms

EVR7; CTNNB; MRD19; NEDSDV; armadillo; Phospho- $\beta$ -Catenin-S33/S37

## Contact

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## Product Information

### Source

Rabbit

### Isotype

IgG

### Purification

Affinity purification

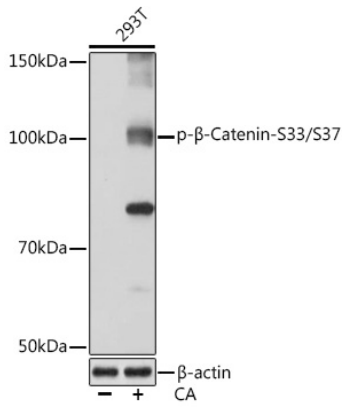
### Storage

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

Buffer: PBS containing 50% glycerol and 0.05% BSA, preserved with proclin300 or sodium azide (as specified on the Certificate of Analysis), pH 7.3.

## Validation Data

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Western blot analysis of lysates from 293T cells, using Phospho-β-Catenin-S33/S37 Rabbit mAb (AP0979) at 1:1000 dilution. 293T cells were treated with Calyculin A (100 nM) at 37°C for 30 minutes after serum-starvation overnight.  
Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.  
Lysates/proteins: 25μg per lane.  
Blocking buffer: 3% BSA.  
Detection: ECL Basic Kit (RM00020).  
Exposure time: 3min.