

# Phospho- $\beta$ -Catenin-S552 Rabbit pAb

Catalog No.: AP0579

10 Publications

## Basic Information

### Observed MW

106 kDa

### Calculated MW

85 kDa

### Category

Primary antibody

### Applications

WB, 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** 1:500 - 1:5000**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-S552

## Contact

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## Product Information

**Source**

Rabbit

**Isotype**

IgG

**Purification**

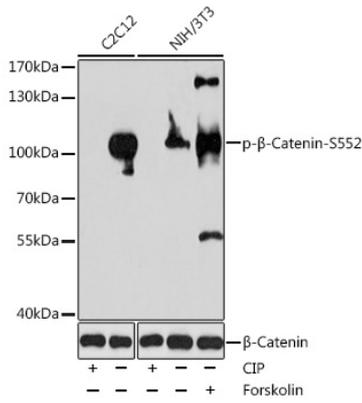
Affinity purification

**Storage**

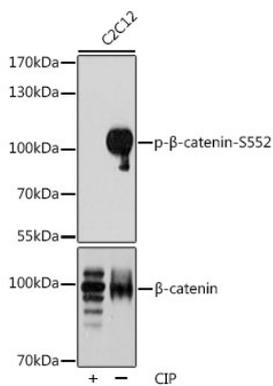
Store at -20°C. Avoid freeze / thaw cycles.

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

## Validation Data



Western blot analysis of various lysates using Phospho-β-Catenin-S552 Rabbit pAb (AP0579) at 1:1000 dilution. C2C12 cell lysates were treated with CIP at 37°C for 1 hour. NIH/3T3 cells were treated with Forskolin (30uM) for 30 minutes after serum-starvation overnight or treated with CIP at 37°C for 1 hour. 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 Enhanced Kit (RM00021). Exposure time: 30s.



Western blot analysis of lysates from C2C12 cells, using Phospho-β-Catenin-S552 pAb (AP0579) at 1:1000 dilution or β-Catenin antibody (A11932). C2C12 cell lysates were treated with CIP at 37°C for 1 hour. 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 Enhanced Kit (RM00021). Exposure time: 30s.