

Phospho- β -catenin-S552 Antibody kit

Catalog No.: RK05751

Basic Information

Observed MW

106kDa

Calculated MW

85kDa

Category

Primary antibody

Recommended Dilutions

AP0579 WB 1:500 - 1:2000**A11932 WB** 1:500 - 1:1000For more information please visit
www.abclonal.com


Product Information

Source Rabbit
Isotype IgG**Purification**

Affinity purification

StorageStore at -20°C. Avoid freeze / thaw cycles.
Buffer: PBS with 0.02% sodium azide, 50% glycerol, pH7.3.

Contact

 | 400-999-6126 | cn.market@abclonal.com.cn | www.abclonal.com.cn

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.

Component

Catalog No.	Product Name	Applications	Cross-Reactivity
AP0579	Phospho- β -Catenin-S552 Rabbit pAb	ELISA, WB	Human, Mouse, Rat
A11932	β -Catenin Rabbit pAb	ELISA, WB, IF/ICC	Human, Mouse, Rat

Immunogen Information

Gene ID

1499

Swiss Prot

P35222

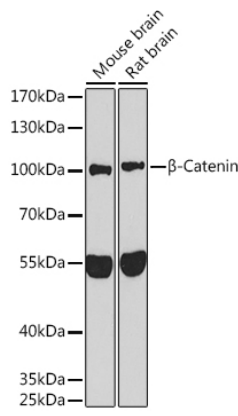
Immunogen

A synthetic phosphorylated peptide around S552 of human beta Catenin (NP_001091679). A synthetic peptide corresponding to a sequence within amino acids 1-100 of human beta Catenin (NP_001895.1).

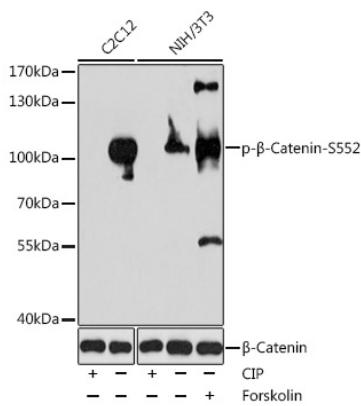
Synonyms

CTNNB;MRD19;armadillo;beta Catenin;CTNNB1

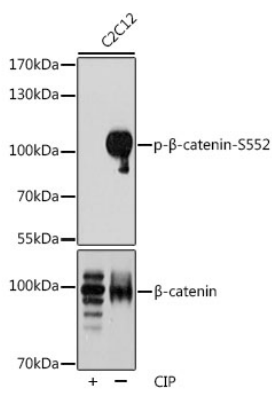
Validation Data



Western blot analysis of extracts of various cell lines, using β -Catenin antibody (A11932) at 1:1000 dilution. Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution. Lysates/proteins: 25 μ g per lane. Blocking buffer: 3% nonfat dry milk in TBST. Detection: ECL Basic Kit (RM00020). Exposure time: 90s.

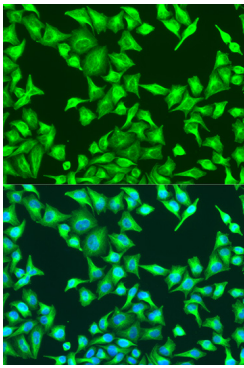


Western blot analysis of extracts of various cell lines, using Phospho-beta Catenin-S552 antibody (AP0579) at 1:1000 dilution. C2C12 cell lysates were treated by CIP at 37°C for 1 hour. NIH/3T3 cells were treated by Forskolin (30uM) for 30 minutes after serum-starvation overnight or treated by CIP at 37°C for 1 hour. Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution. Lysates/proteins: 25 μ g per lane. Blocking buffer: 3% BSA. Detection: ECL Enhanced Kit (RM00021). Exposure time: 30s.



Western blot analysis of extracts of C2C12 cells, using Phospho- β -Catenin-S552 pAb (AP0579) at 1:1000 dilution or β -Catenin antibody (A11932). C2C12 cell lysates were treated by CIP at 37°C for 1 hour. Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution. Lysates/proteins: 25 μ g per lane. Blocking buffer: 3% BSA. Detection: ECL Enhanced Kit (RM00021). Exposure time: 30s.

Validation Data



Immunofluorescence analysis of U2OS cells using β -Catenin antibody (A11932) at dilution of 1:100. Blue: DAPI for nuclear staining.