

Phospho- β -Catenin-S675 Rabbit pAb

Catalog No.: AP0795 **1 Publications**

Basic Information

Observed MW

100kDa

Calculated MW

85kDa

Category

Primary antibody

Applications

WB,IF/ICC,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 - 1:2000

IF/ICC 1:50 - 1:200

ELISA Recommended starting concentration is 1 μ g/mL. Please optimize the concentration based on your specific assay requirements.

Immunogen Information

Gene ID

1499

Swiss Prot

P35222

Immunogen

A synthetic phosphorylated peptide around S675 of human beta Catenin (NP_001091679.1).

Synonyms

EVR7; CTNNB; MRD19; NEDSDV; armadillo; Phospho- β -Catenin-S675

Contact

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Product Information

Source

Rabbit

Isotype

IgG

Purification

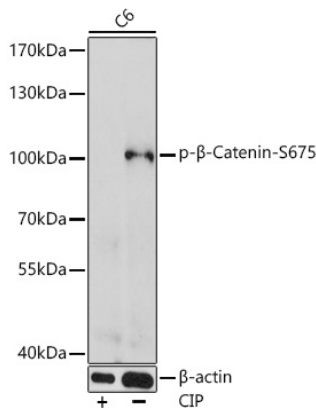
Affinity purification

Storage

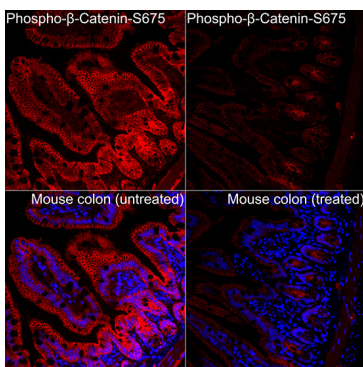
Store at -20°C. Avoid freeze / thaw cycles.

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

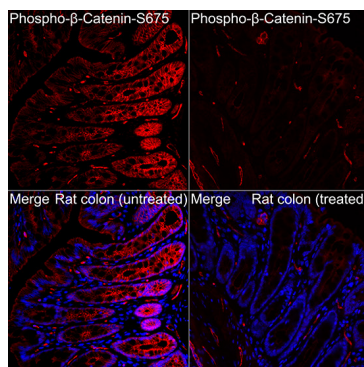
Validation Data



Western blot analysis of lysates from C6 cells, using Phospho- β -Catenin-S675 Rabbit pAb (AP0795) at 1:1000 dilution. C6 cell lysates were treated by CIP at 37°C for 1 hour.
 Secondary antibody: HRP-conjugated 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: 180s.



Immunofluorescence analysis of Mouse colon (treated with λ PP) and Mouse colon (untreated) tissue using Phospho- β -Catenin-S675 Rabbit pAb (AP0795) at a dilution of 1:100 (40x lens). Secondary antibody: Cy3-conjugated Goat anti-Rabbit IgG (H+L) (AS007) at 1:500 dilution. Blue: DAPI for nuclear staining. High pressure antigen retrieval performed with 0.01M Citrate Buffer (pH 6.0) prior to IF staining.



Immunofluorescence analysis of Rat colon (treated with λ PP) and Rat colon tissue using Phospho- β -Catenin-S675 Rabbit pAb (AP0795) at a dilution of 1:100 (40x lens). Secondary antibody: Cy3-conjugated Goat anti-Rabbit IgG (H+L) (AS007) at 1:500 dilution. Blue: DAPI for nuclear staining. High pressure antigen retrieval performed with 0.01M Citrate Buffer (pH 6.0) prior to IF staining.