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Phospho-β-Catenin-S675 Rabbit pAb

Catalog No.: AP0795 **2 Publications**

Basic Information

Observed MW
92 kDa

Calculated MW
85 kDa

Category
Primary antibody

Applications
WB,IP,IF-P,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), pilomatrixoma (PTR), medulloblastoma (MDB), and ovarian cancer. Alternative splicing results in multiple transcript variants.

Recommended Dilutions

WB	1:500 - 1:5000
IP	0.5 μg - 4 μg antibody for 400 μg - 600 μg extracts of whole cells
IF-P	1:50 - 1:200
ELISA	Recommended starting concentration is 1 μg/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-β-Catenin-S675

Product Information

Source
Rabbit

Isotype
IgG

Purification
Affinity purification

Storage
Store at -20℃. Avoid freeze / thaw cycles.
Buffer: PBS, pH 7.3, containing 50% glycerol. Preserved with Proclin300 or sodium azide.
May contain 0.05% BSA as specified on the Certificate of Analysis.

Contact

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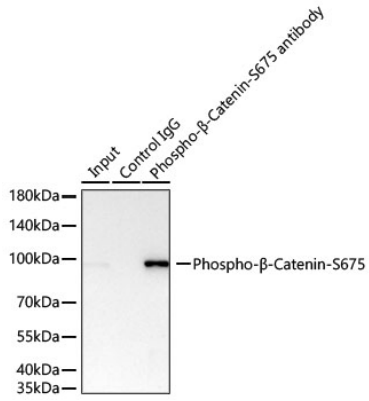
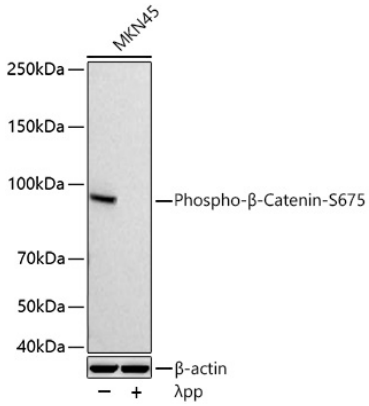
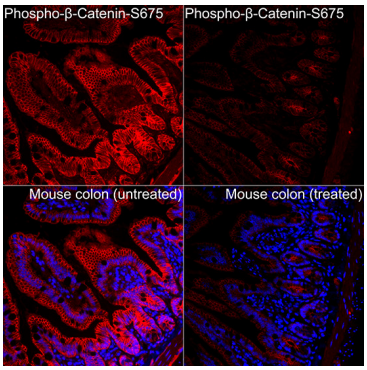
Validation Data



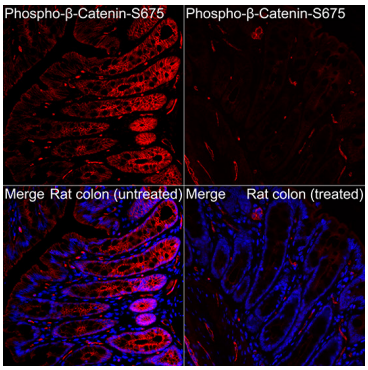
Immunoprecipitation of Phospho-β-Catenin-S675 from 300 µg extracts of MKN-45 cells was performed using 2 µg of Phospho-β-Catenin-S675 Rabbit pAb (AP0795). Rabbit Control IgG (AC005) was used to precipitate the Control IgG sample. IP samples were eluted with 1x Laemmli Buffer. The Input lane represents 10% of the total input. Western blot analysis of immunoprecipitates was conducted using Phospho-β-Catenin-S675 Rabbit pAb (AP0795) at a dilution of 1:5000.



Western blot analysis of lysates from MKN45 cells using Phospho-β-Catenin-S675 Rabbit pAb (AP0795) at 1:5000 dilution incubated overnight at 4℃. MKN45 cells were treated with λpp (2 U/µL) at 30℃ for 1 hour.
Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.
Lysates/proteins: 30 µg per lane.
Blocking buffer: 3% nonfat dry milk in TBST.
Detection: ECL Basic Kit (RM00020).
Exposure time: 5 s.



Immunofluorescence analysis of Mouse colon(treated with λPP) 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 λPP) 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.