

Phospho- β -Catenin-S552 polyclonal antibody

Catalog: BS79408

Host: Rabbit

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), pilomatix-oma (PTR), medulloblastoma (MDB), and ovarian cancer. Alternative splicing results in multiple transcript variants.

Product:

1mg/ml in PBS with 0.02% sodium azide, 50% glycerol, pH7.2

Molecular Weight:

106kDa

Swiss-Prot:

P35222

Purification&Purity:

The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen and the purity is > 95% (by SDS-PAGE).

Applications:

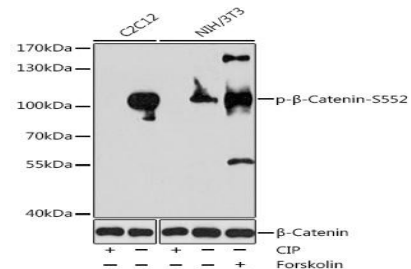
WB, 1:500 - 1:2000

Storage&Stability:

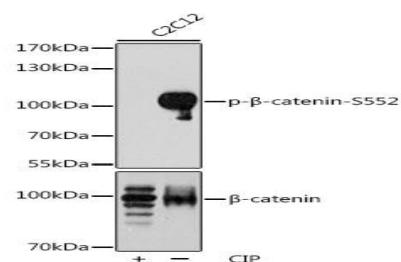
Store at 4 °C short term. Aliquot and store at -20 °C long term. Avoid freeze-thaw cycles.

Modification:

Phosphorylated

DATA:

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



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

Note:

For research use only, not for use in diagnostic procedure.

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