bs-2063R **[Primary Antibody]**

phospho-Beta catenin (Tyr142) Rabbit pAb

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DATASHEET

Host: Rabbit **Isotype:** IgG

Clonality: Polyclonal

GeneID: 1499 **SWISS:** P35222

Target: Beta catenin (Tyr142)

Immunogen: KLH conjugated Synthesised phosphopeptide derived from human Beta catenin around the phosphorylation site of Tyr142: IN(p-Y)QD.

Purification: affinity purified by Protein A

Concentration: 1mg/ml

Storage: 0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.
Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.

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. Three transcript variants encoding the same protein have been found for this gene.[provided by RefSeq, Oct 2009].

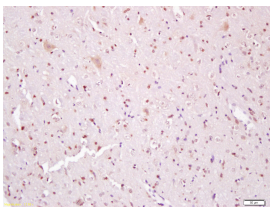
Applications: **IHC-P** (1:100-500)
IHC-F (1:100-500)
IF (1:100-500)
Flow-Cyt (1μg/Test)
ICC/IF (1:100)

Reactivity: Human, Rat
(predicted: Mouse, Chicken)

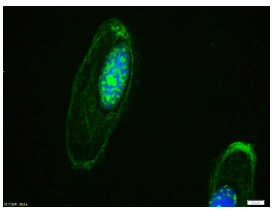
Predicted MW.: 86 kDa

Subcellular Location: Cell membrane ,Cytoplasm ,Nucleus

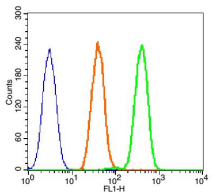
VALIDATION IMAGES



Tissue/cell: rat brain tissue; 4% Paraformaldehyde-fixed and paraffin-embedded; Antigen retrieval: citrate buffer (0.01M, pH 6.0), Boiling bathing for 15min; Block endogenous peroxidase by 3% Hydrogen peroxide for 30min; Blocking buffer (normal goat serum,C-0005) at 37°C for 20 min; Incubation: Anti-phospho-beta catenin(Tyr142) Polyclonal Antibody, Unconjugated(bs-2063R) 1:200, overnight at 4°C, followed by conjugation to the secondary antibody(SP-0023) and DAB(C-0010) staining



Hela cell; 4% Paraformaldehyde-fixed; Triton X-100 at room temperature for 20 min; Blocking buffer (normal goat serum, C-0005) at 37°C for 20 min; Antibody incubation with (phospho-beta catenin (Tyr142)) polyclonal Antibody, Unconjugated (bs-2063R) 1:100, 90 minutes at 37°C; followed by a conjugated Goat Anti-Rabbit IgG antibody at 37°C for 90 minutes, DAPI (blue, C02-04002) was used to stain the cell nuclei.



Blank control: Hela (fixed with 2% paraformaldehyde (10 min), then permeabilized with 0.3%tritionx-100 for 5 min at room temperature). Primary Antibody:Rabbit Anti-phospho-beta catenin (Tyr142) antibody (bs-2063R,Green), Dilution: 1μg in 100 μL 1X PBS containing 0.5% BSA; Isotype Control Antibody: Rabbit IgG(orange), used under the same conditions). Secondary Antibody: Goat anti-rabbit IgG-FITC), Dilution: 1:200 in 1 X PBS containing 0.5% BSA.

SELECTED CITATIONS

- **[IF=7.032]** Zhecheng Wanget al. Inhibition of p66Shc Oxidative Signaling via CA-Induced Upregulation of miR-203a-3p Alleviates Liver Fibrosis Progression. Mol Ther Nucleic Acids . 2020 Sep 4;21:751-763. WB ;mouse. 32781430
- **[IF=5.6]** Jiankui Wang. et al. MiR-199a-3p Regulates the PTPRF/β-Catenin Axis in Hair Follicle Development: Insights into

the Pathogenic Mechanism of Alopecia Areata. INT J MOL SCI. 2023 Jan;24(24):17632 WB,IHC ;Sheep. 38139460

- **[IF=1.994]** YING-HAO HAN. et al. Peroxiredoxin II Inhibits Alcohol-induced Apoptosis in L02 Hepatocytes Through AKT/β-Catenin Signaling Pathway. Anticancer Res. 2020 Aug;40(8):4491-4504 WB ;Human. 32727779
- **[IF=1.994]** YING-HAO HAN. et al. Peroxiredoxin II Inhibits Alcohol-induced Apoptosis in L02 Hepatocytes Through AKT/β-Catenin Signaling Pathway. Anticancer Res. 2020 Aug;40(8):4491-4504 WB ;Human. 32727779