

Beta catenin Rabbit pAb

Catalog Number: bs-1165R

Target Protein: Beta catenin

Concentration: 1mg/ml

Form: Liquid

Host: Rabbit

Clonality: Polyclonal

Isotype: IgG

Applications: WB (1:500-2000), IHC-P (1:100-500), IHC-F (1:100-500), IF (1:100-500)

Reactivity: Human, Mouse, Rat (predicted:Rabbit, Pig, Sheep, Cow, Zebrafish, Chicken, Dog, Horse)

Predicted MW: 9.5/86 kDa

Entrez Gene: 1499

Swiss Prot: P35222

Source: KLH conjugated synthetic peptide derived from human Beta catenin: 661-781/781.

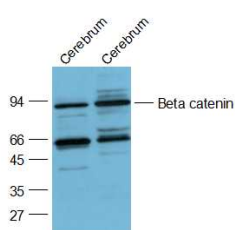
Purification: affinity purified by Protein A

Storage: 0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.

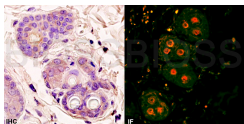
Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.

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), pilomatixoma (PTR), medulloblastoma (MDB), and ovarian cancer. Three transcript variants encoding the same protein have been found for this gene.[provided by RefSeq, Oct 2009].

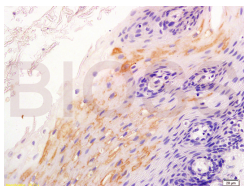
VALIDATION IMAGES



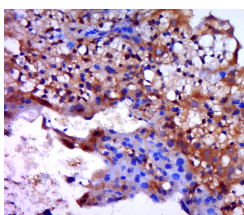
Sample: Cerebrum (Mouse) Lysate at 40 ug Cerebrum (Rat) Lysate at 40 ug Primary: Anti-Beta catenin (bs-1165R) at 1/2000 dilution Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution Predicted band size: 9.5/86 kD Observed band size: 86 kD



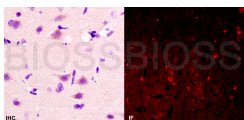
Tissue/cell: rat skin tissue; 4% Paraformaldehyde-fixed and paraffin-embedded; Primary Antibody: Anti-Beta catenin Polyclonal Antibody, Unconjugated(bs-1165R) 1:200, overnight at 4°C Secondary Antibody: IHC: Goat Anti-Rabbit IgG, Biotin conjugated(bs-0295G-Bio)+ Streptavidin , HRP conjugated (bs-0437P-HRP), and DAB staining IF: Goat Anti-Rabbit IgG, PE conjugated(bs-0295G-PE)used at 1:200 dilution for 40 minutes at 37°C, Excitation wavelength: 565nm; Emission wavelength:578nm



Tissue/cell: human esophageal cancer; 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-Beta catenin Polyclonal Antibody, Unconjugated(bs-1165R) 1:400, overnight at 4°C, followed by conjugation to the secondary antibody(SP-0023) and DAB(C-0010) staining



Paraformaldehyde-fixed, paraffin embedded (mouse placenta tissue); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30min; Antibody incubation with (Beta catenin) Polyclonal Antibody, Unconjugated (bs-1165R) at 1:400 overnight at 4°C, followed by a conjugated secondary (sp-0023) for 20 minutes and DAB staining.



Tissue/cell: rat brain tissue; 4% Paraformaldehyde-fixed and paraffin-embedded; Primary Antibody: Anti-Beta catenin Polyclonal Antibody, Unconjugated(bs-1165R) 1:200, overnight at 4°C Secondary Antibody: IHC: Goat Anti-Rabbit IgG, Biotin conjugated(bs-0295G-Bio)+ Streptavidin , HRP conjugated (bs-0437P-HRP), and DAB staining IF: Goat Anti-Rabbit IgG, PE conjugated(bs-0295G-PE)used at 1:200 dilution for 40 minutes at 37°C, Excitation wavelength: 565nm; Emission wavelength:578nm

PRODUCT SPECIFIC PUBLICATIONS

[IF=13.273] Xinkun Shen. et al. Improvement of aqueous stability and anti-osteoporosis properties of Zn-MOF coatings on titanium implants by hydrophobic raloxifene. Chem Eng J. 2021 Oct;;133094 WB ; Mouse . 10.1016/j.cej.2021.133094

[IF=10.679] Pan J et al. lncRNA JPX/miR-33a-5p/Twist1 axis regulates tumorigenesis and metastasis of lung cancer by activating Wnt/ β -catenin signaling. Mol Cancer. 2020 Jan 15;19(1):9. IHC ; Mouse . 31941509

[IF=9.381] Liuqi Shi. et al. A dual-functional chitosan derivative platform for fungal keratitis. Carbohydr Polym. 2022 Jan;275:118762 IF ; Rabbit . 34742450

[IF=8.2] Chen Si-yuan. et al. E3 ubiquitin ligase NEDD4L inhibits epithelial-mesenchymal transition by suppressing the β -catenin/HIF-1 α positive feedback loop in chronic rhinosinusitis with nasal polyps. ACTA PHARMACOL SIN. 2023 Dec;;1-13 IHC,IF ; Mouse . 38052867

[IF=8.1] Fei Yu. et al. Repair of Osteoporotic Bone Defects in Rats via the Sirtuin 1-Wnt/ β -catenin Signaling Pathway by Novel Icariin/Porous Magnesium Alloy Scaffolds. Biomaterials Research. 2024 Dec;28:0090 IHC ; Rat . 39655164