

bsm-33194M**[Primary Antibody]****Beta catenin Mouse mAb****BioSS**
ANTIBODIES

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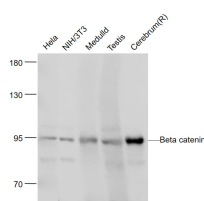
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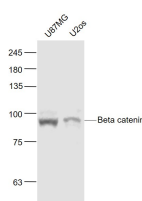
400-901-9800

— DATASHEET —

Host: Mouse Clonality: Monoclonal GeneID: 1499 Target: Beta catenin Purification: affinity purified by Protein G Concentration: 1mg/ml Storage: Size : 50ul/100ul/200ul 0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol. Size : 200ug (PBS only) 0.01M PBS 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].	Isotype: IgG CloneNo.: 6H4 SWISS: P35222	Applications: WB (1:1000-5000) Reactivity: Human, Mouse, Rat Predicted MW.: 92 kDa Subcellular Location: Cell membrane ,Cytoplasm ,Nucleus
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— VALIDATION IMAGES —

Sample: HeLa(Human) Cell Lysate at 30 ug
NIH/3T3(Mouse) Cell Lysate at 30 ug
Medulld(Mouse) Lysate at 40 ug Testis(Mouse)
Lysate at 40 ug Cerebrum(Rat) Lysate at 40 ug
Primary: Anti-Beta catenin (bsm-33194M) at
1/1000 dilution Secondary: IRDye800CW Goat
Anti- Mouse IgG at 1/20000 dilution Predicted
band size: 92 kD Observed band size: 95 kD



Sample: U87MG(Human) Cell Lysate at 30 ug
U2os(Human) Cell Lysate at 30 ug Primary: Anti-
Beta catenin (bsm-33194M) at 1/5000 dilution
Secondary: IRDye800CW Goat Anti- Mouse IgG at
1/20000 dilution Predicted band size: 92 kD
Observed band size: 92 kD

— SELECTED CITATIONS —

- **[IF=8.469]** Que, Tianshi. et al. HMGA1 stimulates MYH9-dependent ubiquitination of GSK-3 β via PI3K/Akt/c-Jun signaling to promote malignant progression and chemoresistance in gliomas. Cell Death Dis. 2021 Dec;12(12):1-12 WB ;Human. 34887392
- **[IF=4.6]** Shuai Zhang. et al. The Impact of Atmospheric Cadmium Exposure on Colon Cancer and the Invasiveness of Intestinal Stents in the Cancerous Colon. TOXICS. 2024 Mar;12(3):215 WB ;Mouse. 38535948

Important Note: This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.

- **[IF=4.147]** Yang Zhang. et al. Transcriptome sequencing profiling identifies miRNA-331-3p as an osteoblast-specific miRNA in infected bone nonunion. Bone. 2021 Feb;143:115619 WB ;Mouse. 32858253
- **[IF=4.2]** Xiao Wang. et al. NDRG3 regulates imatinib resistance by promoting β -catenin accumulation in the nucleus in chronic myelogenous leukemia. ONCOL REP. 2023 Aug;50(2):1-13 WB,IF,ICC ;Human,Mouse. 37350410