

**bs-3088R****[ Primary Antibody ]****BioSS**  
ANTIBODIES

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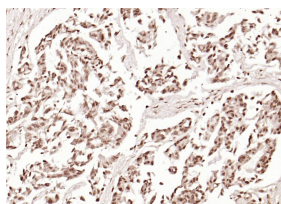
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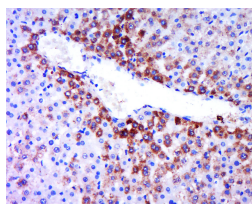
400-901-9800

**phospho-Beta catenin (Thr41 + Ser45) Rabbit pAb****DATASHEET**

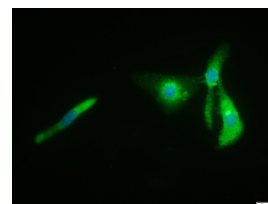
<b>Host:</b> Rabbit	<b>Isotype:</b> IgG	<b>Applications:</b> IHC-P (1:100-500) <b>IHC-F</b> (1:100-500) <b>IF</b> (1:100-500) <b>Flow-Cyt</b> (1µg /test) <b>ICC/IF</b> (1:100)  <b>Reactivity:</b> Human, Rat (predicted: Mouse, Rabbit, Pig, Cow, Chicken, Horse)  <b>Predicted MW.:</b> 86 kDa  <b>Subcellular Location:</b> Cell membrane ,Cytoplasm ,Nucleus
<b>Clonality:</b> Polyclonal		
<b>GeneID:</b> 1499	<b>SWISS:</b> P35222	
<b>Target:</b> Beta catenin (Thr41 + Ser45)		
<b>Immunogen:</b> KLH conjugated Synthesised phosphopeptide derived from human Beta-Catenin around the phosphorylation site of Thr41/Ser45: AT(p-T)TAP(p-S)LS.		
<b>Purification:</b> affinity purified by Protein A		
<b>Concentration:</b> 1mg/ml		
<b>Storage:</b> 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.		
<b>Background:</b> 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**

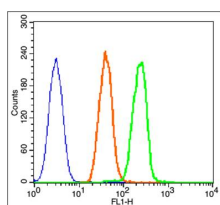
Paraformaldehyde-fixed, paraffin embedded (human gastric carcinoma); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30min; Antibody incubation with (Phospho-Beta Catenin (Thr41 + Ser45)) Polyclonal Antibody, Unconjugated (bs-3088R) at 1:200 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructions and DAB staining.



Paraformaldehyde-fixed, paraffin embedded (rat liver); 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 (Catenin beta-1) Polyclonal Antibody, Unconjugated (bs-3088R) at 1:400 overnight at 4°C, followed by a conjugated secondary (sp-0023) for 20 minutes and DAB 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 (Thr41 + Ser45)) polyclonal Antibody, Unconjugated (bs-3088R) 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.



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

Blank control(blue): HeLa (fixed with 2% paraformaldehyde (10 min), then permeabilized with 0.3%tritonx-100 for 5 min at room temperature). Primary Antibody:Rabbit Anti-Phospho-Beta Catenin (Thr41 + Ser45)antibody (bs-3088R,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.