

## Catenin $\beta$ polyclonal antibody

Catalog: BS90197

Host: Rabbit

Reactivity: Human, Mouse, Rat

### BackGround:

$\beta$ -Catenin is a key downstream effector in the Wnt signaling pathway. It is implicated in two major biological processes in vertebrates: early embryonic development and tumorigenesis. Phosphorylation at Ser-552 by AMPK promotes stabilization of the protein, enhancing TCF/LEF-mediated transcription. Phosphorylation on Tyr-654 decreases CDH1 binding and enhances TBP binding. GSK-3 $\beta$  destabilizes  $\beta$ -catenin by phosphorylating it at Ser33, Ser37, and Thr41. Mutations at these sites result in the stabilization of  $\beta$ -catenin protein levels and have been found in many tumor cell lines. In the presence of Wnt ligand, CTNNB1 is not ubiquitinated and accumulates in the nucleus, where it acts as a coactivator for transcription factors of the TCF/LEF family, leading to activate Wnt responsive genes.

### Product:

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

### Molecular Weight:

85kDa

### Swiss-Prot:

P35222(Human) Q02248(Mouse) Q9WU82(Rat)

### Purification&Purity:

Peptide affinity purified

### Applications:

WB:1:1,000

IHC:1:200

FC:1:50-1:100

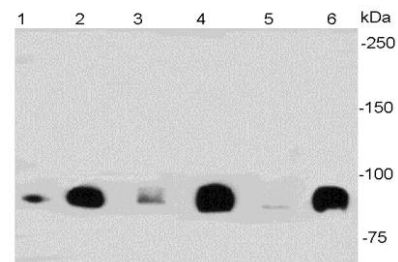
### Storage&Stability:

Store at +4 °C after thawing. Aliquot store at -20 °C. Avoid repeated freeze / thaw cycles.

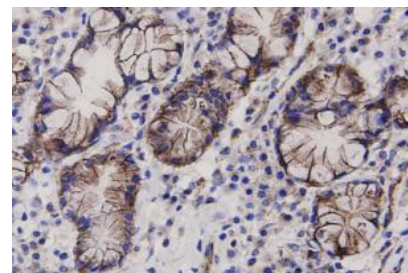
### Specificity:

Catenin  $\beta$  polyclonal antibody detects endogenous levels of Catenin  $\beta$  protein.

### DATA:



Western blot analysis of Beta-catenin on different lysates using anti-Beta-catenin antibody at 1/1,000 dilution. Positivecontrol: Lane1: A431 Lane2: SW480 Lane3: HCT116 Lane4: HT-29 Lane5: Mouse colon Lane6: Mouse brain



Immunohistochemical analysis of paraffin-embedded human lung carcinoma tissue using anti-Beta-catenin antibody. Counter stained with hematoxylin.

### Note:

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

### Bioworld Technology, Inc.

Add: 1660 South Highway 100, Suite 500 St. Louis Park, MN 55416, USA.

Email: [info@bioworld.com](mailto:info@bioworld.com)

Tel: 6123263284

Fax: 6122933841

### Bioworld technology, co. Ltd.

Add: No 9, weidi road Qixia District Nanjing, 210046, P. R. China.

Email: [info@biogot.com](mailto:info@biogot.com)

Tel: 0086-025-68037686

Fax: 0086-025-68035151