

## Catenin- $\beta$ (T41/S45) polyclonal antibody

Catalog: AP0563

Host: Rabbit

Reactivity: Human, Mouse

### 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. CK1 phosphorylates  $\beta$ -catenin at Ser45. This phosphorylation event primes  $\beta$ -catenin for subsequent phosphorylation by GSK-3 $\beta$ . 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.

### Product:

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

### Molecular Weight:

~ 90 kDa

### Swiss-Prot:

P35222

### Purification&Purity:

The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen and the purity is > 95% (by SDS-PAGE).

### Applications:

WB: 1:2000~1:5000

IF 1:50~1:200

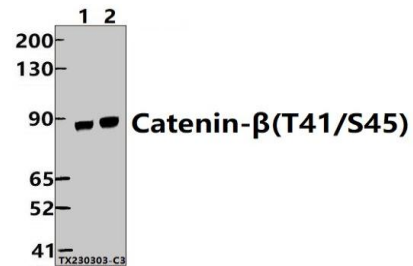
### Storage&Stability:

Store at 4 °C short term. Aliquot and store at -20 °C long term. Avoid freeze-thaw cycles.

### Specificity:

Catenin- $\beta$  (T41/S45) polyclonal antibody detects endogenous levels of Catenin- $\beta$  protein.

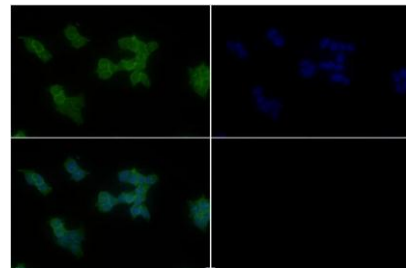
### DATA:



Western blot (WB) analysis of Catenin- $\beta$  (T41/S45) polyclonal antibody at 1:2000 dilution

Lane1:HEK293T whole cell lysate(30ug)

Lane2:NIH-3T3 whole cell lysate(30ug)



Immunofluorescence analysis of HEK293T cells using Catenin- $\beta$  (T41/S45) pAb at dilution of 1:200.

### Note:

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

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