

Catenin- β (T41/S45) polyclonal antibody

Catalog: AP0563

Host: Rabbit

Reactivity: Human, Mouse

BackGround:

β -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 β -catenin at Ser45. This phosphorylation event primes β -catenin for subsequent phosphorylation by GSK-3 β . GSK-3 β destabilizes β -catenin by phosphorylating it at Ser33, Ser37, and Thr41. Mutations at these sites result in the stabilization of β -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

IP 1:50~1:200

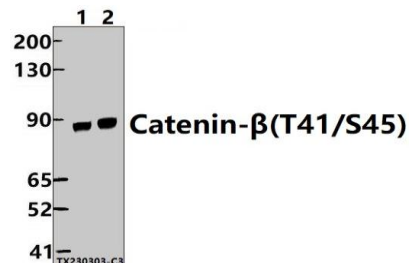
Storage&Stability:

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

Specificity:

Catenin- β (T41/S45) polyclonal antibody detects endogenous levels of Catenin- β protein.

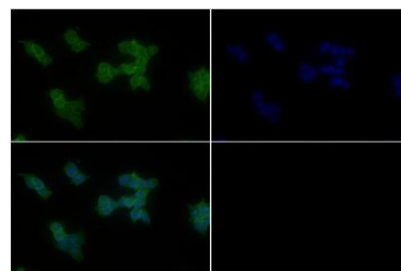
DATA:



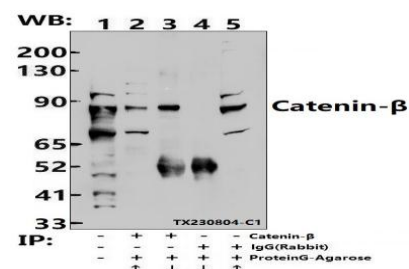
Western blot (WB) analysis of Catenin- β (T41/S45) polyclonal antibody at 1:2000 dilution

Lane1:HEK293T whole cell lysate(30ug)

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



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



Immunoprecipitation of HEK293T cell lysates using Catenin- β (T41/S45) pAb (Sephacose Bead Conjugate)#BD0048 (lane 2 and lane 3) and Nonspecific IgG Control (Sephacose Bead Conjugate)#BD0048 (lane 4 and lane 5). Lane 1 is 30% input. The western blot was probed using Catenin- β (T41/S45) pAb.

Note:

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

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