

Catenin- β (phospho-Y670) polyclonal antibody

Catalog: BS64160

Host: Rabbit

Reactivity: Human, Mouse, Rat

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:

1 mg/ml in Phosphate buffered saline (PBS) with 0.05% sodium azide, approx. pH 7.3.

Molecular Weight:

~ 85 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: 1:500~1:1000

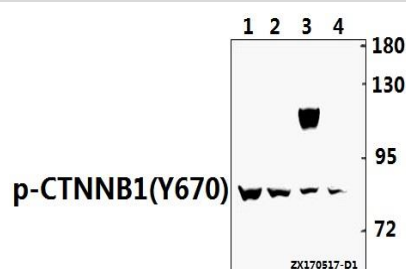
Storage&Stability:

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

Specificity:

Catenin- β (phospho-Y670) polyclonal antibody detects endogenous levels of Catenin- β protein only when phosphorylated at Tyr670.

DATA:



Western blot (WB) analysis Catenin- β (phospho-Y670) polyclonal antibody at 1:500 dilution

Lane1:L02 whole cell lysate(40ug)

Lane2:HepG2 whole cell lysate(40ug)

Lane3:AML-12 whole cell lysate(40ug)

Lane4:PC12 whole cell lysate(40ug)

Note:

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

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