Catenin-β (phospho-S33/S37/T41) polyclonal antibody

Catalog: BS5056	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-3β. GSK-3β 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 7.2.

Molecular Weight:

~ 92 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).
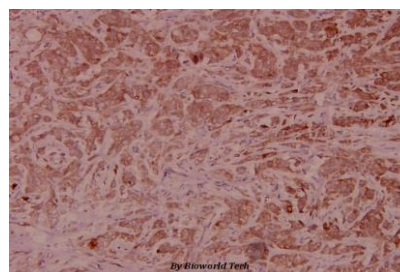
Applications:

IHC: 1:50~1:200

Storage&Stability:

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

Specificity:

p-beta-catenin (S33/S37/T41) polyclonal antibody detects endogenous levels of beta-catenin protein only when phosphorylated at Ser33/S37/T41.

DATA:

Immunohistochemistry (IHC) analyzes of p-Catenin-β (S33/S37/T41) pAb in paraffin-embedded human breast carcinoma tissue at 1:100.

Note:

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