

AP00134PU-N**Polyclonal Antibody to Catenin beta-1 pSer45 - Aff - Purified****Alternate names:**

Beta-catenin, CTNNB, CTNNB1

Quantity:

0.1 mg

Concentration:

0.5 mg/ml

Background:

Catenin is one of the key downstream effectors in the Wnt signaling pathway. It has been implicated to play an important role in early embryonic development and tumorigenesis. β -catenin can be destabilized by GSK-3 β or other kinases by phosphorylating it at serines 33, 37, 45 and threonine 41. Mutations of these phosphorylation sites in β -catenin have been found in many tumor cell lines.

Uniprot ID:[P35222](#)**NCBI:**[NP_001091679.1](#)**GeneID:**[1499](#)**Host:**

Rabbit

Immunogen:

Synthetic phospho-peptide corresponding to residues surrounding Ser45 of human β -Catenin.

Format:**State:** Liquid purified Ig**Purification:** Immunoaffinity purified**Buffer System:** PBS containing 50% glycerol, 1% BSA, and 0.02% thimerosal.**Applications:**Western Blot: 0.5-4 μ g/ml.

Other applications not tested. Optimal dilutions are dependent on conditions and should be determined by the user.

Specificity:

The antibody recognizes 90 kDa phosphorylated β -Catenin (Ser45).

Species: Human, Mouse, Rat.

Other species not tested.

Storage:

Store the antibody undiluted at -20°C or for long term storage (in aliquots) at -70°C.

Avoid repeated freezing and thawing.

Shelf life: one year from despatch.