

## PRODUCT DATA SHEET

Bioworld Technology CO., Ltd.



### Catenin- $\beta$ (I35) Peptide

Cat No.: BS1041P

#### 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.

#### Swiss-Prot

P35222

#### Applications

Blocking

#### Specificity

This peptide can be used with studies using BS1041 Catenin- $\beta$  (I35) pAb.

#### Purification & Purity

Synthetic peptide Catenin- $\beta$  (I35). (Note: the amino acid sequence is proprietary). The purity is > 98%.

#### Product

1 mg/ml in DI water.

#### Storage & Stability

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

#### Research Use

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