

For Research Use Only

# Phospho-Beta Catenin (Ser33) Polyclonal antibody

Catalog Number: 28772-1-AP

4 Publications



## Basic Information

Catalog Number:

28772-1-AP

Size:

100ul, Concentration: 240 ug/ml by Nanodrop;

Source:

Rabbit

Isotype:

IgG

GenBank Accession Number:

BC058926

GeneID (NCBI):

1499

ENSEMBL Gene ID:

ENSG00000168036

UNIPROT ID:

P35222

Full Name:

catenin (cadherin-associated protein), beta 1, 88kDa

Calculated MW:

781 aa, 86 kDa

Observed MW:

90-100 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

WB 1:500-1:2000

## Applications

Tested Applications:

WB, ELISA

Cited Applications:

WB

Species Specificity:

Human

Cited Species:

human

Positive Controls:

WB : Calyculin A treated PC-3 cells, Calyculin A treated HeLa cells

## Background Information

Beta Catenin/ $\beta$ -catenin, also known as CTNNB1, is a key downstream component of the canonical Wnt pathway that plays diverse and critical roles in embryonic development and adult tissue homeostasis. The N-terminal (1-49 amino acids) of  $\beta$ -catenin is the key region for its stability and the degradation by ubiquitin-proteasome system, and phosphorylation of  $\beta$ -catenin at the N-terminal Ser33, Ser37, Thr41, and Ser45 promotes its ubiquitination and degradation (PMID: 31930681). Phosphorylated  $\beta$ -catenin is targeted for ubiquitination-dependent proteolysis.

## Notable Publications

Author	Pubmed ID	Journal	Application
Chunlin Tao	39006077	J Cancer	WB
Qingqing Chen	38726137	Heliyon	WB
Bowen Li	38657754	Free Radic Biol Med	WB

## Storage

Storage:

Store at -20°C. Stable for one year after shipment.

Storage Buffer:

PBS with 0.02% sodium azide and 50% glycerol pH 7.3.

Aliquoting is unnecessary for -20°C storage

\*\*\* 20ul sizes contain 0.1% BSA

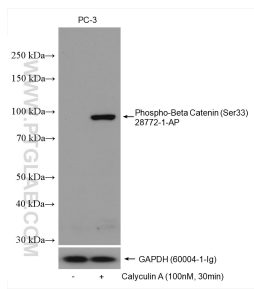
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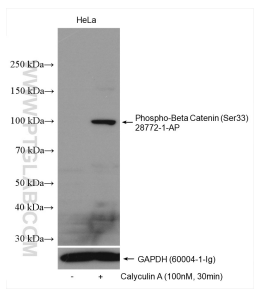
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## Selected Validation Data



Non-treated PC-3 cells and Calyculin A treated PC-3 cells were subjected to SDS PAGE followed by western blot with 28772-1-AP (Phospho-Beta Catenin (Ser33) antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours. The membrane was stripped and re-blotted with GAPDH antibody as loading control.



Non-treated HeLa cells and Calyculin A treated HeLa cells were subjected to SDS PAGE followed by western blot with 28772-1-AP (Phospho-Beta Catenin (Ser33) antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours. The membrane was stripped and re-blotted with GAPDH antibody as loading control.