

For Research Use Only

Phospho-Beta Catenin (Ser33) Polyclonal antibody



Catalog Number: 28772-1-AP

Basic Information

Catalog Number: 28772-1-AP	GenBank Accession Number: BC058926	Purification Method: Antigen affinity purification
Size: 100ul , Concentration: 240 µg/ml by Nanodrop;	GeneID (NCBI): 1499	Recommended Dilutions: WB 1:500-1:2000
Source: Rabbit	Full Name: catenin (cadherin-associated protein), beta 1, 88kDa	
Isotype: IgG	Calculated MW: 781 aa, 86 kDa	
	Observed MW: 90-100 kDa	

Applications

Tested Applications:
WB, ELISA

Species Specificity:
Human

Positive Controls:

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

Background Information

Beta Catenin/ β -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 β -catenin is the key region for its stability and the degradation by ubiquitin-proteasome system, and phosphorylation of β -catenin at the N-terminal Ser33, Ser37, Thr41, and Ser45 promotes its ubiquitination and degradation (PMID: 31930681). Phosphorylated β -catenin is targeted for ubiquitination-dependent proteolysis.

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.

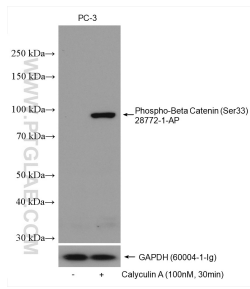
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

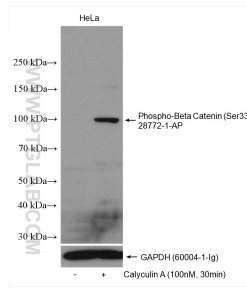
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA) E: proteintech@ptglab.com W: ptglab.com

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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.