

For Research Use Only

# Phospho-Beta Catenin (Ser37) Polyclonal antibody



Catalog Number: 28776-1-AP

1 Publications

## Basic Information

<b>Catalog Number:</b> 28776-1-AP	<b>GenBank Accession Number:</b> BC058926	<b>Purification Method:</b> Antigen affinity purification
<b>Size:</b> 100ul , Concentration: 200 µg/ml by Nanodrop;	<b>GeneID (NCBI):</b> 1499	<b>Recommended Dilutions:</b> WB 1:500-1:1000
<b>Source:</b> Rabbit	<b>Full Name:</b> catenin (cadherin-associated protein), beta 1, 88kDa	
<b>Isotype:</b> IgG	<b>Calculated MW:</b> 781 aa, 86 kDa	
	<b>Observed MW:</b> 86-100 kDa	

## Applications

<b>Tested Applications:</b> WB, ELISA	<b>Positive Controls:</b> WB : Calyculin A treated HeLa cells,
<b>Cited Applications:</b> WB	
<b>Species Specificity:</b> Human	
<b>Cited Species:</b> human	

## Background Information

Beta Catenin( $\beta$ -catenin), also known as CTNNB1, is an evolutionarily conserved, multifunctional intracellular protein.  $\beta$ -catenin is a key downstream component of the canonical Wnt pathway that plays diverse and critical roles in embryonic development and adult tissue homeostasis. Deregulation of  $\beta$ -catenin activity is associated with multiple diseases including cancers. 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).

## Notable Publications

Author	Pubmed ID	Journal	Application
Hui Zhao	36826439	J Agric Food Chem	WB

## Storage

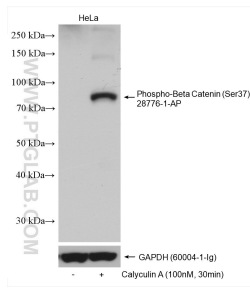
**Storage:**  
Store at -20°C. Stable for one year after shipment.  
**Storage Buffer:**  
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.  
Aliquoting is unnecessary for -20°C storage

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

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)  
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## Selected Validation Data



Non-treated HeLa cells and Calyculin A treated HeLa cells were subjected to SDS PAGE followed by western blot with 28776-1-AP (Phospho-Beta Catenin (Ser37) antibody) at dilution of 1:600 incubated at room temperature for 1.5 hours. The membrane was stripped and re-blotted with GAPDH antibody as loading control.