

For Research Use Only

Phospho-Beta Catenin (Ser37) Polyclonal antibody

Catalog Number: 28776-1-AP

2 Publications



Basic Information

Catalog Number:

28776-1-AP

Size:

100ul, Concentration: 200 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:

86-100 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

WB 1:500-1:1000

Applications

Tested Applications:

WB, ELISA

Cited Applications:

WB

Species Specificity:

Human

Cited Species:

human

Positive Controls:

WB: Calyculin A treated HeLa cells,

Background Information

Beta Catenin(β -catenin), also known as CTNNB1, is an evolutionarily conserved, multifunctional intracellular protein. β -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 β -catenin activity is associated with multiple diseases including cancers. 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).

Notable Publications

Author	Pubmed ID	Journal	Application
Yunzhi Liu	39440550	Adv Sci (Weinh)	WB
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

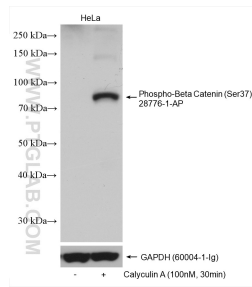
For technical support and original validation data for this product please contact:

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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.