

À des fins de recherche uniquement

Anticorps Recombinant de lapin anti-Phospho-Beta Catenin (Ser33)



Numéro de catalogue: 80067-1-RR

4 Publications

Informations de base

Numéro de catalogue: 80067-1-RR	Numéro d'acquisition GenBank: BC058926	Méthode de purification: Purification par protéine A
Taille: 100ul , Concentration: 500 µg/ml by Nanodrop;	Identification du gène (NCBI): 1499	CloneNo.: 3K1
Hôte: Lapin	Nom complet: catenin (cadherin-associated protein), WB 1:5000-1:50000 beta 1, 88kDa	Dilutions recommandées:
Isotype: IgG	MW calculé 781 aa, 86 kDa	
	MW observés: 90 kDa	

Applications

Applications testées:
FC, WB, ELISA

Demandes citées:
WB

Spécificité de l'espèce:
Humain, rat, souris

Espèces citées:
Humain, souris

Contrôles positifs:

WB : cellules PC-3, cellules HT-29, cellules HT-29 traitées à la calyculine A, cellules PC-3 traitées à la calyculine A

Informations générales

β -Catenin, also known as CTNNB1, is an evolutionarily conserved, multifunctional intracellular protein. β -Catenin was originally identified in cell adherens junctions (AJs) where it functions to bridge the cytoplasmic domain of cadherins to α -catenin and the actin cytoskeleton. Besides its essential role in the AJs, β -catenin is also a key downstream component of the canonical Wnt pathway that plays diverse and critical roles in embryonic development and adult tissue homeostasis. The Wnt/ β -catenin pathway is also involved in the activation of other intracellular messengers such as calcium fluxes, JNK, and SRC kinases. Deregulation of β -catenin activity is associated with multiple diseases including cancers. (PMID: 22617422; 18334222). CK1 phosphorylates β -Catenin at Ser45. This phosphorylation event primes β -Catenin for subsequent phosphorylation by GSK-3 β . GSK-3 β destabilizes β -catenin by phosphorylating it at Ser33, Ser37, and Thr41. Mutations at these sites result in the stabilization of β -Catenin protein levels and have been found in many tumor cell lines.

Publications notables

Autrice	Pubmed ID	Journal	Application
Qiang Zuo	34494093	Acta Biochim Biophys Sin (Shanghai)	WB
Yuan Zhao	35720633	Exp Ther Med	WB
Mianmian Liao	34149413	Front Pharmacol	WB

Stockage

Stockage:

Stocker à -20°C. Stable pendant un an après l'expédition.

Tampon de stockage:

PBS avec azoture de sodium à 0,02 % et glycérol à 50 % pH 7,3

L'aliquotage n'est pas nécessaire pour le stockage à -20C

***** Les 20ul contiennent 0,1% de BSA.**

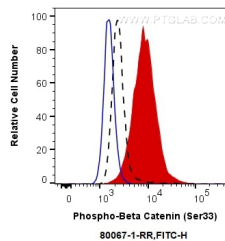
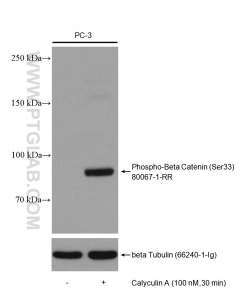
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Données de validation sélectionnées



Non-treated PC-3 and Calyculin A treated PC-3 cells were subjected to SDS PAGE followed by western blot with 80067-1-RR (Phospho-Beta Catenin (Ser33) antibody) at dilution of 1:10000 incubated at 4°C overnight. The membrane was stripped and re-blotted with beta tubulin (66240-1-Ig) antibody as loading control.

1X10⁶ PC-3 cells untreated (dashed lines) or treated with Calyculin A (red) were intracellularly stained with 0.25 ug Anti-Human Phospho-Beta Catenin (Ser33) (80067-1-RR, Clone:3K1) and CoraLite®488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L) at dilution 1:1000, or 0.25 ug Control Antibody (blue). Cells were fixed with 4% PFA and permeabilized with 90% MeOH.