Nur für Forschungszwecke

Phospho-Beta Catenin (Ser33) Rekombinanter Antikörper

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Katalog-Nr.:80067-1-RR 4 Publikationen

Allgemeine Informationen

Katalog-Nr.:
80067-1-RR

Größe:
100ul , Konzentration: 500 μg/ml von Nanodrop;

Wirt:
Kaninchen

Isotyp:
IgG

GenBank-Zugangsnummer:
BC058926

GeneID (NCBI):
1499

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

Berechneté Masse:
781 aa, 86 kDa

Beobachteté Masse:
90 kDa

Reinigungsmethode:
Protein-A-Reinigung

CloneNo.:
3K1

Empfohlene Verdünnungen:
WB 1:5000-1:50000

Anwendungen

Geprüfte Anwendungen:
FC, WB, ELISA

In Publikationen genannte Anwendungen:
WB

Getestete Reaktivität:
Human, Maus, Ratte

Zitierte Arten:
Human, Maus

Positivkontrollen:

WB : PC-3-Zellen, HT-29-Zellen, mit Calyculin A behandelte HT-29-Zellen, Mit Calyculin A behandelte PC-3-Zellen

Hintergrundinformationen

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 a-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-3β. GSK-3β 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 .

Bemerkenswerte Veröffentlichungen

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

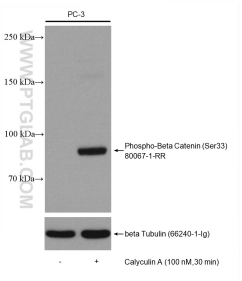
Lagerung

Lagerungsbedingungen:
Bei -20°C lagern. Nach dem Versand ein Jahr lang stabil
Lagerungspuffer:
PBS mit 0.02% Natriumazid und 50% Glycerin pH 7.3.
Aliquotieren ist nicht notwendig bei -20°C lagerung

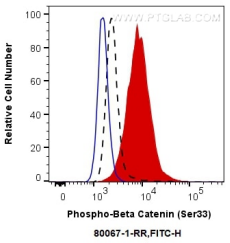
*** 20ul-Größen enthalten 0.1% BSA

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

Ausgewählte Validierungsdaten



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.



1X10^6 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.