Datasheet for ABIN6241068

anti-beta Catenin antibody (pSer33, pSer37)

1 Image | 1 Publication

Go to Product page

Overview

Quantity:	200 µL
Target:	beta Catenin (CATNB)
Binding Specificity:	AA 19-41, pSer33, pSer37
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This beta Catenin antibody is un-conjugated
Application:	Western Blotting (WB)

Product Details

Immunogen:	This Phospho-beta-catenin (Ser33/37) antibody is generated from a rabbit immunized with a KLH conjugated synthetic peptide between 19-41 amino acids from human beta-catenin .
Clone:	RB42029
Isotype:	Ig Fraction
Predicted Reactivity:	B, Zf, M, Rat, X
Purification:	This antibody is purified through a protein A column, followed by peptide affinity purification.

Target Details

Target:	beta Catenin (CATNB)
Alternative Name:	beta-catenin (CATNB Products)

Target Details

Background:	Key downstream component of the canonical Wnt signaling pathway. In the absence of Wnt, forms a complex with AXIN1, AXIN2, APC, CSNK1A1 and GSK3B that promotes phosphorylation on N-terminal Ser and Thr residues and ubiquitination of CTNNB1 via BTRC and its subsequent degradation by the proteasome. In the presence of Wnt ligand, CTNNB1 is not ubiquitinated and accumulates in the nucleus, where it acts as a coactivator for transcription factors of the TCF/LEF family, leading to activate Wnt responsive genes. Involved in the regulation of cell adhesion. Acts as a negative regulator of centrosome cohesion. Involved in the CDK2/PTPN6/CTNNB1/CEACAM1 pathway of insulin internalization. Blocks anoikis of malignant kidney and intestinal epithelial cells and promotes their anchorage-independent growth by down-regulating DAPK2. Disrupts PML function and PML-NB formation by inhibiting RANBP2-mediated sumoylation of PML (PubMed:< a href="http://www.uniprot.org/citations/17524503" target="_blank">17524503, PubMed:< a href="http://www.uniprot.org/citations/18077326" target="_blank">18077326, PubMed:< a href="http://www.uniprot.org/citations/18086858" target="_blank">18086858, PubMed:< a href="http://www.uniprot.org/citations/18957423" target="_blank">18957423, PubMed:< a href="http://www.uniprot.org/citations/21262353" target="_blank">21262353, PubMed:< a href="http://www.uniprot.org/citations/22647378" target="_blank">22647378, PubMed:< a href="http://www.uniprot.org/citations/22699938" target="_blank">22699938, PubMed:< a href="http://www.uniprot.org/citations/22155184" target="_blank">22155184). Promotes neurogenesis by maintaining sympathetic neuroblasts within the cell cycle (By similarity).
Molecular Weight:	85497
UniProt:	P35222
Pathways:	Peptide Hormone Metabolism

Application Details

Application Notes:	WB: 1:1000
Restrictions:	For Research Use only

Handling

Format:	Liquid
Buffer:	Purified polyclonal antibody supplied in PBS with 0.09 % (W/V) sodium azide.
Preservative:	Sodium azide

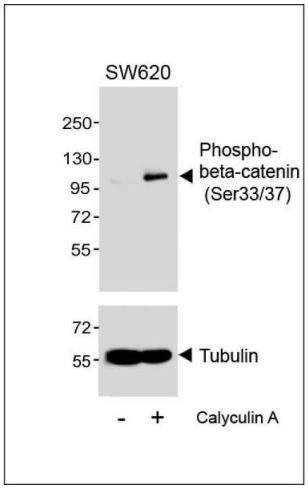
Handling

Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	4 °C,-20 °C
Expiry Date:	6 months

Publications

Product cited in:	Zhuang, Wang, Wang, Ma, Han, Zou, Wu, Dong, Qu, Zang, Wu: "MicroRNA-23b functions as an oncogene and activates AKT/GSK3β/β-catenin signaling by targeting ST7L in hepatocellular carcinoma." in: **Cell death & disease**, Vol. 8, Issue 5, pp. e2804, (2018) (PubMed).

Images



Western Blotting

Image 1. Western blot analysis of extracts from S cells, untreated or treated with Calyculin A, (100nM, 30 min), using Phospho-beta-catenin (Ser33/37) Antibody.