

Nur für Forschungszwecke

# Phospho-Beta Catenin (Ser552) Polyklonaler Antikörper



Katalog-Nr.: 28778-1-AP

## Allgemeine Informationen

<b>Katalog-Nr.:</b> 28778-1-AP	<b>GenBank-Zugangsnummer:</b> BC058926	<b>Reinigungsmethode:</b> Antigen-Affinitätsreinigung
<b>Größe:</b> 100ul, Konzentration: 150 µg/ml von Nanodrop;	<b>GeneID (NCBI):</b> 1499	<b>Empfohlene Verdünnungen:</b> WB 1:1000-1:4000
<b>Wirt:</b> Kaninchen	<b>Vollständiger Name:</b> catenin (cadherin-associated protein), beta 1, 88kDa	
<b>Isotyp:</b> IgG	<b>Berechnete Masse:</b> 781 aa, 86 kDa	
	<b>Beobachtete Masse:</b> 86-100 kDa	

## Anwendungen

**Geprüfte Anwendungen:**  
WB, ELISA

**Getestete Reaktivität:**  
Human, Maus, Ratte

### Positivkontrollen:

WB: Forskolin treated A431 cells, HT-29-Zellen, mit Forskolin behandelte HSC-T6-Zellen

## Hintergrundinformationen

β-Catenin, also known as CTNNB1, is an evolutionarily conserved, multifunctional intracellular protein. β-Catenin is a 92-kDa protein, 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, PMID: 18334222). Both AMPK and AKT phosphorylates β-catenin at Ser 552. The phosphorylation of β-catenin at Ser552 can stabilize β-catenin, enhance its nuclear accumulation and increase its transcriptional activity (PMID: 2865606, PMID: 20361929).

## 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

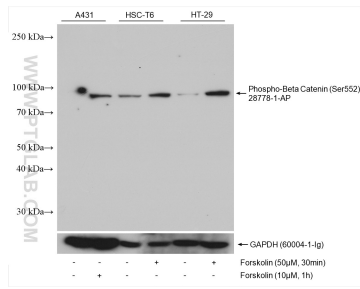
For technical support and original validation data for this product please contact:

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

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

## Ausgewählte Validierungsdaten



Untreated and Forskolin treated cells were subjected to SDS PAGE followed by western blot with 28778-1-AP (Phospho-Beta Catenin (Ser552) antibody) at dilution of 1:2000 incubated at room temperature for 1.5 hours. The membrane was stripped and re-blotted with GAPDH (60004-1-Ig) antibody as loading control.