

Nur für Forschungszwecke

Beta Catenin Monoklonaler Antikörper



Katalog-Nr.: 66379-1-Ig

Vorgestelltes Produkt

64 Publikationen

Allgemeine Informationen

Katalog-Nr.:
66379-1-Ig

Größe:
150ul, Konzentration: 1500 µg/ml von 1499
Nanodrop;

Wirt:
Maus

Isotyp:
IgG1

GenBank-Zugangsnummer:
NM_001904

GeneID (NCBI):
von 1499

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

Berechnete Masse:
781 aa, 86 kDa

Beobachtete Masse:
92 kDa

Reinigungsmethode:
Protein-A-Reinigung

CloneNo.:
1B8A1

Empfohlene Verdünnungen:
WB 1:5000-1:50000
IP 0.5-4.0 µg für IP und 1:1000-1:4000
für WB
IHC 1:2500-1:10000
IF 1:750-1:3000

Anwendungen

Geprüfte Anwendungen:
FC, IF, IHC, IP, WB, ELISA

In Publikationen genannte Anwendungen:
CoIP, IF, IHC, IP, WB

Getestete Reaktivität:
Hausschwein, Human, Kaninchen, Maus, Ratte

Zitierte Arten:
Hausschwein, Human, Maus, Ratte

Hinweis-IHC: Antigendemaskierung mit TE-Puffer pH 9,0 empfohlen. (*) Wahlweise kann die Antigendemaskierung auch mit Citratpuffer pH 6,0 erfolgen.

Positivkontrollen:

WB: A431-Zellen, Hausschwein-Hirngewebe, HEK-293-Zellen, HeLa-Zellen, Kaninchenhirngewebe, LNCaP-Zellen, Maushirngewebe, MCF-7-Zellen, NIH/3T3-Zellen, Rattenhirngewebe

IP: Maushirngewebe,

IHC: humanes Leberkarzinomgewebe, humanes Hautkrebsgewebe, humanes Kolongewebe, humanes Mammakarzinomgewebe, Maus-Kolongewebe, Ratten-Kolongewebe

IF: MCF-7-Zellen, humanes Hautkrebsgewebe, humanes Leberkarzinomgewebe

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 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)

Bemerkenswerte Veröffentlichungen

Verfasser	Pubmed ID	Journal	Anwendung
Panpan Zhang	30272329	Int J Mol Med	WB
Tao Sun	34520626	Kaohsiung J Med Sci	WB,IF
Haifeng Zhang	34428354	FEBS Open Bio	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

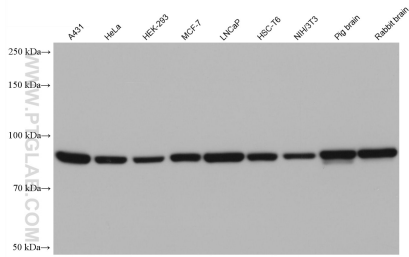
For technical support and original validation data for this product please contact:

T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)

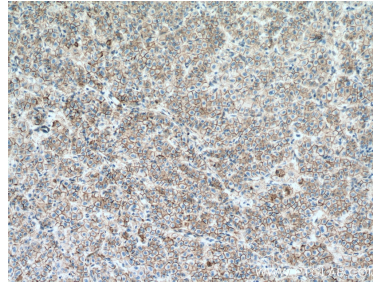
E: proteintech@ptglab.com
W: ptglab.com

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

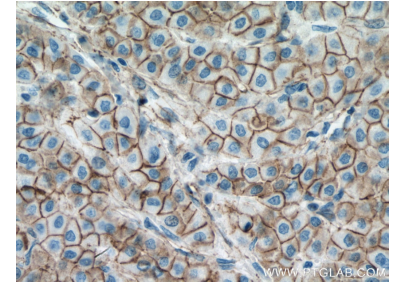
Ausgewählte Validierungsdaten



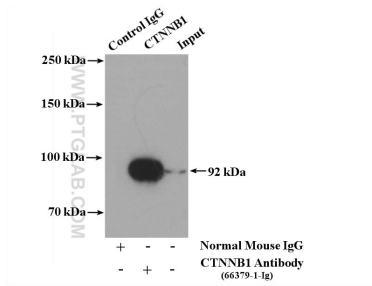
Various lysates were subjected to SDS PAGE followed by western blot with 66379-1-Ig (Beta Catenin antibody) at dilution of 1:15000 incubated at room temperature for 1.5 hours.



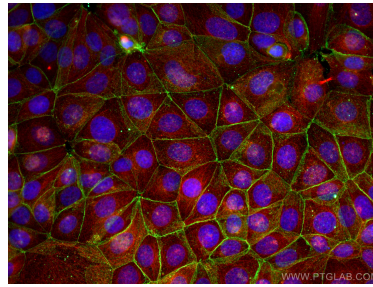
Immunohistochemical analysis of paraffin-embedded human liver cancer tissue slide using 66379-1-Ig (beta-Catenin antibody) at dilution of 1:5000 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



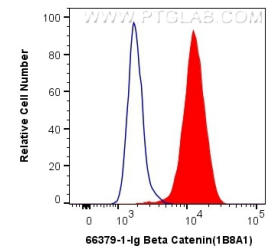
Immunohistochemical analysis of paraffin-embedded human liver cancer tissue slide using 66379-1-Ig (beta-Catenin antibody) at dilution of 1:5000 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



IP result of anti-beta-Catenin (IP:66379-1-Ig, 4ug; Detection:66379-1-Ig 1:2000) with mouse brain tissue lysate 4400 ug.



Immunofluorescent analysis of (4% PFA) fixed MCF-7 cells using Beta Catenin antibody (66379-1-Ig, Clone: 1B8A1) at dilution of 1:1500 and CoraLite@488-Conjugated AffiniPure Goat Anti-Mouse IgG(H+L), Alpha Tubulin antibody (11224-1-AP, red).



1×10^6 MCF-7 cells were intracellularly stained with 0.5 ug Anti-Human Beta Catenin (66379-1-Ig, Clone:1B8A1) (red) labeled with FlexAble CoraLite@ Plus 555 Antibody Labeling Kit for Mouse IgG1 (KFA022), or 0.5 ug Control Antibody. Cells were fixed with 4% PFA and permeabilized with Flow Cytometry Perm Buffer (PF00011-C).