

## b-Catenin Antibody

Catalog No: #21211



Package Size: #21211-1 50ul #21211-2 100ul

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## Description

|                       |                                                                                                                                                                               |
|-----------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Product Name          | b-Catenin Antibody                                                                                                                                                            |
| Host Species          | Rabbit                                                                                                                                                                        |
| Clonality             | Polyclonal                                                                                                                                                                    |
| Purification          | Antibodies were produced by immunizing rabbits with synthetic peptide and KLH conjugates. Antibodies were purified by affinity-chromatography using epitope-specific peptide. |
| Applications          | WB IHC IF                                                                                                                                                                     |
| Species Reactivity    | Human;Mouse;Rat                                                                                                                                                               |
| Specificity           | The antibody detects endogenous level of total b-Catenin protein.                                                                                                             |
| Immunogen Type        | Peptide-KLH                                                                                                                                                                   |
| Immunogen Description | Peptide sequence around aa.31~35 (L-D-S-G-I) derived from Human b-Catenin.                                                                                                    |
| Conjugates            | Unconjugated                                                                                                                                                                  |
| Target Name           | b-Catenin                                                                                                                                                                     |
| Other Names           | CTNNB1; CATNB; CTNB1; CTNNB;                                                                                                                                                  |
| Accession No.         | Swiss-Prot: P35222NCBI Protein: NP_001091679.1                                                                                                                                |
| Concentration         | 1.0mg/ml                                                                                                                                                                      |
| Formulation           | Supplied at 1.0mg/mL in phosphate buffered saline (without Mg <sup>2+</sup> and Ca <sup>2+</sup> ), pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.                  |
| Storage               | Store at -20°C for long term preservation (recommended). Store at 4°C for short term use.                                                                                     |

## Application Details

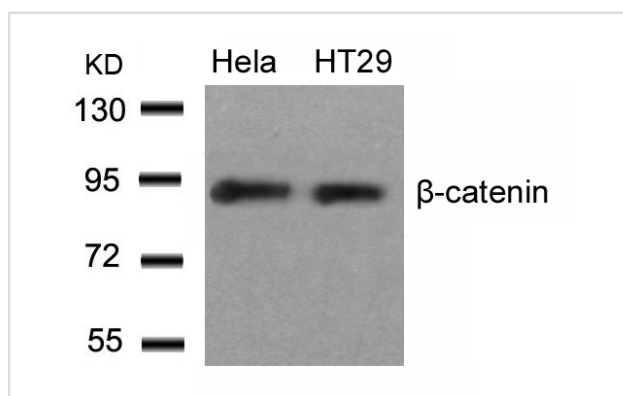
Predicted MW: 92kd

Western blotting: 1:500~1:1000

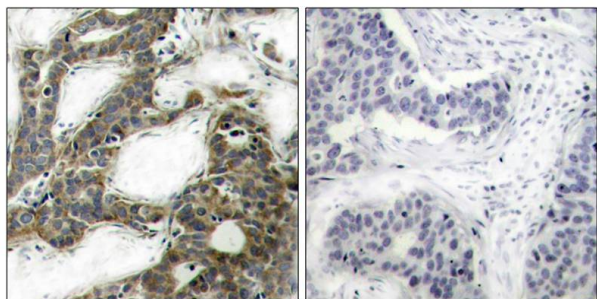
Immunohistochemistry: 1:50~1:100

Immunofluorescence: 1:100~1:200

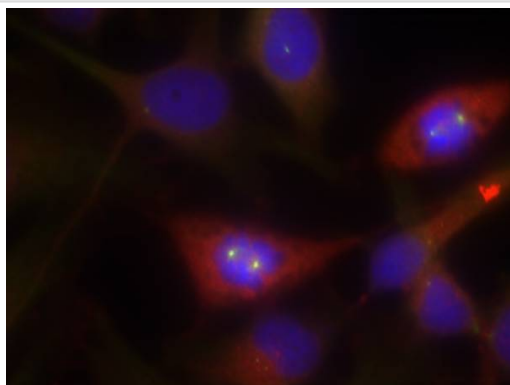
## Images



Western blot analysis of extracts from HeLa and HT29 cells using b-Catenin(Ab-33) Antibody #21211.



Immunohistochemical analysis of paraffin-embedded human breast carcinoma tissue using b-Catenin(Ab-33) Antibody #21211(left) or the same antibody preincubated with blocking peptide(right).



Immunofluorescence staining of methanol-fixed HeLa cells using b-Catenin(Ab-33) Antibody #21211.

## Background

Involved in the regulation of cell adhesion and in signal transduction through the Wnt pathway.

## Published Papers

Chih-Kai Liao, Seu-Mei Wang, Yuh-Lien Chen et al., Lipopolysaccharide-induced inhibition of connexin43 gap junction communication in astrocytes is mediated by downregulation of caveolin-3., *The International Journal of Biochemistry & Cell Biology*, 42(5):762-770(2010)

[PMID:20093193](#)

Lei Hana, Yang Yanga, Xiao Yue et al., Inactivation of PI3K/AKT signaling inhibits glioma cell growth through modulation of [beta]-catenin-mediated transcription., *Brain Research*, 1366, 9-17(2010)

[PMID:20888802](#)

et al., Inactivation of PI3K/AKT Signaling Inhibits Glioma Cell Growth Through Modulation of  $\epsilon^{\circ}$ -Y-Catenin-Mediated Transcription. In *Brain Res* on 2010 Dec 17 by Yang Yang, Xiao Yue, et al..PMID:20888802, , (2010)

[PMID:20888802](#)

et al., Urocortin Increased LPS-induced Endothelial Permeability by Regulating the Cadherin-Catenin Complex via Corticotrophin-Releasing Hormone Receptor 2. In *J Cell Physiol* on 2013 Jun by Rong Wan, Rui Guo,et al..PMID:23168683, , (2013)

[PMID:23168683](#)

et al., Lipopolysaccharide-induced inhibition of connexin43 gap junction communication in astrocytes is mediated by downregulation of caveolin-3. In *Int J Biochem Cell Biol*

on 2010 May by Chih-Kai Liao, Seu-Mei Wang, et al..PMID:20093193, , (2010)

[PMID:20093193](#)

et al., Lysophosphatidic acid modulates the association of PTP1B with N $\zeta^{\bullet}$  adherin/catenin complex in SKOV3 ovarian cancer cells. In *Cell Biol Int* on 2012 Sep by Ruby Yun-Ju Huang, Chen-Chen Wen, et al..PMID: 22582758

, , (2012)

[PMID:22582758](#)

el at., A proteomics analysis of rat liver membrane skeletons: the investigation of actin-and cytokeratin-based protein components. In J Proteome Res on 2010 Jan by Qingsong Wang, Jintang He, et al..PMID: 19354234

, , (2010)

[PMID:19354234](#)

Lei Han;Yang Yang;Xiao Yue;Kai Huang;Xiaomin Liu;Peiyu Pu;Hao Jiang;Wei Yan;Tao Jiang;Chunsheng Kang el at., Inactivation of PI3K/AKT signaling inhibits glioma cell growth through modulation of  $\beta$ -catenin-mediated transcription, , (2010)

[PMID:20888802](#)

el at., Role of glycosyltransferase PomGnT1 in glioblastoma progression.In Neuro Oncol on 2015 Feb by Jin Lan, Pin Guo et al..PMID: 25085363, , (2015)

[PMID:25085363](#)

el at., Differential apoptosis gene expressions of rhabdomyosarcoma cells in response to enterovirus 71 infection.In BMC Infect Dis on 2012 Nov 28 by Shi W, Li X,et al..PMID:23191987, , (2012)

[PMID:23191987](#)

el at., PRIMA-1Met/APR-246 displays high antitumor activity in multiple myeloma by induction of p73 and Noxa. In Mol Cancer Ther on 2013 Nov by Hua Jiang, Yijun Yang, et al..PMID: 24030633, , (2013)

[PMID:24030633](#)

el at., The pivotal role of SUMO-1-JNK-Tau axis in an in vitro model of oxidative stress counteracted by the protective effect of curcumin. In Biochem Pharmacol on 2020 Aug by Lucia Buccarello, Jessica Dragotto, et al..PMID:32502496, , (2020)

[PMID:32502496](#)

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Note: This product is for in vitro research use only and is not intended for use in humans or animals.