

## b-Catenin(Phospho-Ser37) Antibody

Catalog No: #11219



Package Size: #11219-1 50ul #11219-2 100ul

Orders: order@signalwayantibody.com

Support: tech@signalwayantibody.com

## Description

Product Name	b-Catenin(Phospho-Ser37) Antibody
Host Species	Rabbit
Clonality	Polyclonal
Purification	Antibodies were produced by immunizing rabbits with synthetic phosphopeptide and KLH conjugates. Antibodies were purified by affinity-chromatography using epitope-specific phosphopeptide. Non-phospho specific antibodies were removed by chromatography using non-phosphopeptide.
Applications	WB IHC
Species Reactivity	Human;Mouse;Rat
Specificity	The antibody detects endogenous level of b-Catenin only when phosphorylated at serine 37.
Immunogen Type	Peptide-KLH
Immunogen Description	Peptide sequence around phosphorylation site of serine 37 (I-H-S(p)-G-A) derived from Human b-Catenin.
Conjugates	Unconjugated
Target Name	b-Catenin
Modification	Phospho
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.

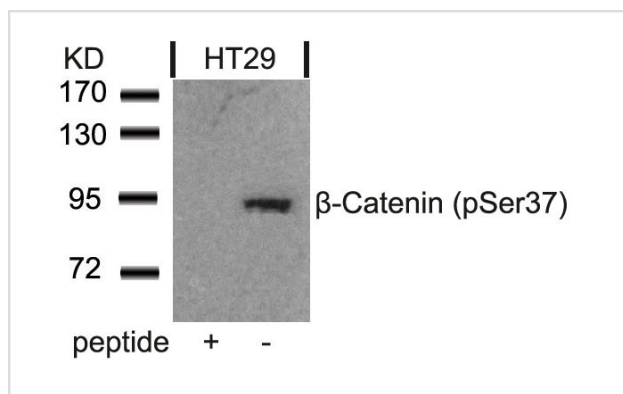
## Application Details

Predicted MW: 92kd

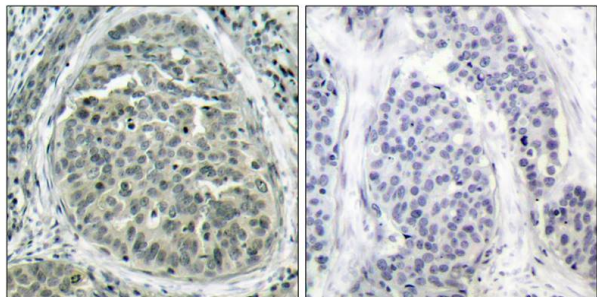
Western blotting: 1:500~1:1000

Immunohistochemistry: 1:50~1:100

## Images



Western blot analysis of extracts from HT29 cells using b-Catenin(Phospho-Ser37) Antibody #11219 and the same antibody preincubated with blocking peptide .



Immunohistochemical analysis of paraffin-embedded human breast carcinoma tissue using b-Catenin(Phospho-Ser37) Antibody #11219(left) or the same antibody preincubated with blocking peptide(right).

## Background

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

Novak A, et al. (1998) Proc Natl Acad Sci U S A; 95(8): 4374-4379

Marin O, et al. (2003) Proc Natl Acad Sci U S A; 100(18): 10193-10200

Okamura H, et al. (2004) Mol Cell Biol; 24(10): 4184-4195

Xing Y, et al. (2003) Genes Dev; 17(22): 2753-2764

Barth AI, et al. (1999) Proc Natl Acad Sci U S A; 96(9): 4947-4952

## Published Papers

Yuhua Li, Yinbo Niu, Huanjie Wu et al., PC-407, a celecoxib derivative, inhibited the growth of colorectal tumor in vitro and in vivo., Cancer Science, 100(12): 2451 - 2458(2010)

[PMID:19814734](#)

et al., PC-407, a celecoxib derivative, inhibited the growth of colorectal tumor in vitro and in vivo. In Cancer Sci on 2009 Dec by Yuhua Li, Yinbo Niu, et al..PMID: 19814734, , (2009)

[PMID:19814734](#)

et al., Curcumin suppresses cell proliferation through inhibition of the Wnt/ $\beta$ -catenin signaling pathway in medulloblastoma. In Oncol Rep on 2014 Jul by Misi He, Yu Li et al..PMID: 24858998, , (2014)

[PMID:24858998](#)

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