Product Datasheet

b-Catenin(Phospho-Ser37) Antibody

Catalog No: #11219

Package Size: #11219-1 50ul #11219-2 100ul #11219-4 25ul

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 chromatogramphy using non-phosphopeptide.
Applications	WB IHC
Species Reactivity	Hu Ms Rt
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.
Target Name	b-Catenin
Modification	Phospho-Ser37
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 Mg2+ and Ca2+), 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.

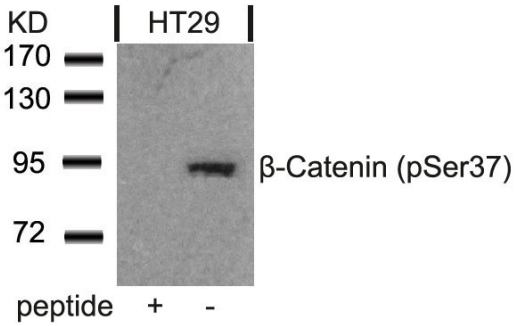
Application Details

Predicted MW: 92kd

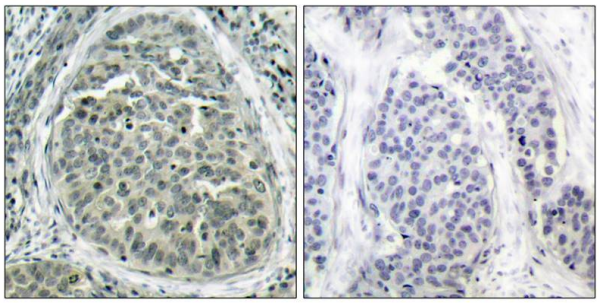
Western blotting: 1:500~1:1000

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 el at., 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

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