



Datasheet for ABIN683893

anti-beta Catenin antibody (pSer33, pSer37)



[Go to Product page](#)

7 Images

1 Publication

Overview

Quantity:	100 µL
Target:	beta Catenin (CATNB)
Binding Specificity:	pSer33, pSer37
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This beta Catenin antibody is un-conjugated
Application:	Western Blotting (WB), Flow Cytometry (FACS), ELISA, Immunofluorescence (Cultured Cells) (IF (cc)), Immunofluorescence (Paraffin-embedded Sections) (IF (p)), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), Immunocytochemistry (ICC), Immunohistochemistry (Frozen Sections) (IHC (fro))

Product Details

Immunogen:	KLH conjugatedsynthetic phosphopeptide derived from human Beta-Catenin around the phosphorylation site of Ser33/37
Isotype:	IgG
Specificity:	These phosphorylation sites are homologous to Ser33 + Ser37 in Mouse and Rat.
Cross-Reactivity:	Human, Mouse, Rat
Predicted Reactivity:	Pig,Chicken,Rabbit
Purification:	Purified by Protein A.

Target Details

Target:	beta Catenin (CATNB)
Alternative Name:	beta Catenin (CATNB Products)
Background:	<p>Synonyms: CTNNB, MRD19, armadillo, Catenin beta-1, Beta-catenin, CTNNB1, OK/SW-cl.35, PRO2286</p> <p>Background: Key downstream component of the canonical Wnt signaling pathway. In the absence of Wnt, forms a complex with AXIN1, AXIN2, APC, CSNK1A1 and GSK3B that promotes phosphorylation on N-terminal Ser and Thr residues and ubiquitination of CTNNB1 via BTRC and its subsequent degradation by the proteasome. In the presence of Wnt ligand, CTNNB1 is not ubiquitinated and accumulates in the nucleus, where it acts as a coactivator for transcription factors of the TCF/LEF family, leading to activate Wnt responsive genes. Involved in the regulation of cell adhesion. Acts as a negative regulator of centrosome cohesion. Involved in the CDK2/PTPN6/CTNNB1/CEACAM1 pathway of insulin internalization. Blocks anoikis of malignant kidney and intestinal epithelial cells and promotes their anchorage-independent growth by down-regulating DAPK2. Disrupts PML function and PML-NB formation by inhibiting RANBP2-mediated sumoylation of PML.</p>
Gene ID:	1499
UniProt:	P35222
Pathways:	Peptide Hormone Metabolism

Application Details

Application Notes:	WB 1:300-5000 ELISA 1:500-1000 FCM 1:20-100 IHC-P 1:200-400 IHC-F 1:100-500 IF(IHC-P) 1:50-200 IF(IHC-F) 1:50-200 IF(ICC) 1:50-200 ICC 1:100-500
Restrictions:	For Research Use only

Handling

Format:	Liquid
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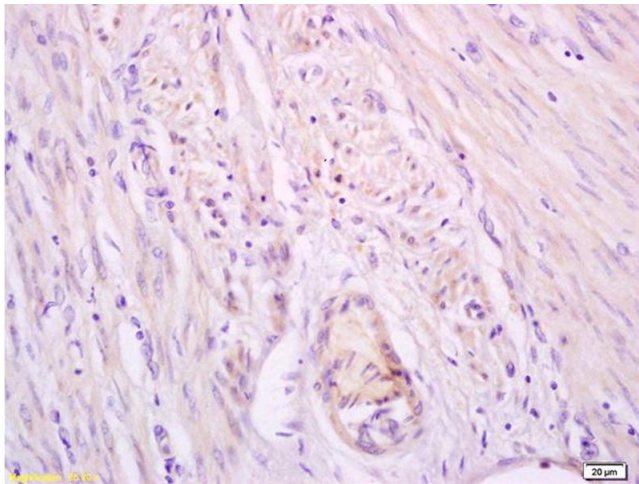
Handling

Concentration:	1 µg/µL
Buffer:	0.01M TBS(pH 7.4) with 1 % BSA, 0.02 % Proclin300 and 50 % Glycerol.
Preservative:	ProClin
Precaution of Use:	This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE, which should be handled by trained staff only.
Storage:	4 °C,-20 °C
Storage Comment:	Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.
Expiry Date:	12 months

Publications

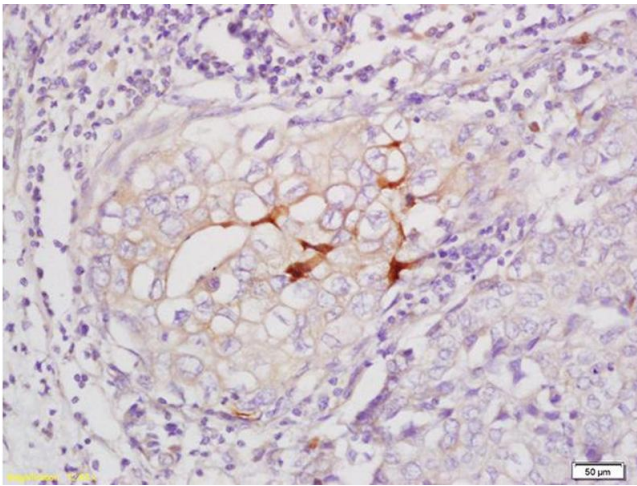
Product cited in:	Wang, Tang, He, Shi, Kang, Lyu, Zhou, Zhu, Zhang, Tang: "High Concentration of Aspirin Induces Apoptosis in Rat Tendon Stem Cells via Inhibition of the Wnt/ β -Catenin Pathway." in: Cellular physiology and biochemistry : international journal of experimental cellular physiology, biochemistry, and pharmacology , Vol. 50, Issue 6, pp. 2046-2059, (2018) (PubMed).
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Images



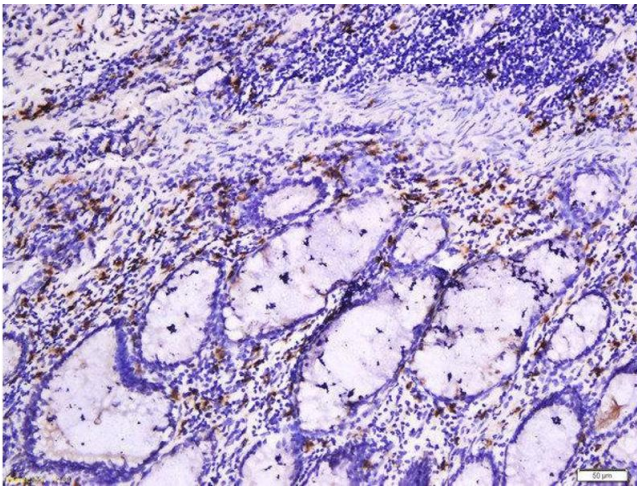
Immunohistochemistry

Image 1. Formalin-fixed and paraffin embedded human breast carcinoma labeled with Anti-Phospho-Beta-Catenin(Ser33/37) Polyclonal Antibody, Unconjugated (ABIN683893) at 1:200 followed by conjugation to the secondary antibody and DAB staining



Immunohistochemistry

Image 2. Formalin-fixed and paraffin embedded human cervical carcinoma labeled with Anti-Phospho-Beta-Catenin(Ser33/37) Polyclonal Antibody, Unconjugated (ABIN683893) at 1:200 followed by conjugation to the secondary antibody and DAB staining



Immunohistochemistry (Paraffin-embedded Sections)

Image 3. Formalin-fixed and paraffin embedded human colon cancer tissue labeled with Anti-Beta-Catenin (Ser33 + 37) Polyclonal Antibody, Unconjugated at 1:200 followed by conjugation to the secondary antibody and DAB staining.

Please check the [product details page](#) for more images. Overall 7 images are available for ABIN683893.