

β-Catenin Antibody

Catalog No: #47993



Package Size: #47993-1 50ul #47993-2 100ul

Orders: order@signalwayantibody.comSupport: tech@signalwayantibody.com

Description

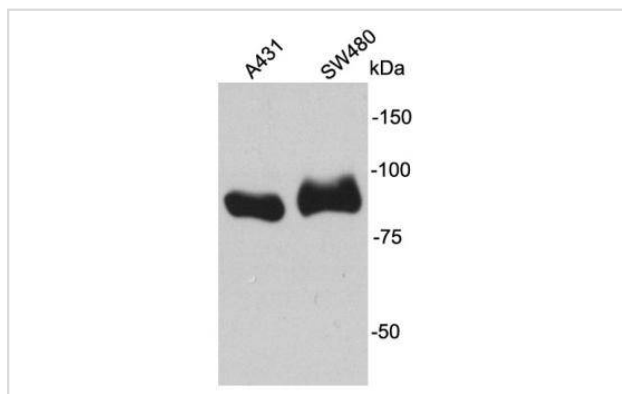
Product Name	β-Catenin Antibody
Host Species	Rabbit
Clonality	Polyclonal
Purification	Immunogen affinity purified
Applications	WB, ICC, IHC
Species Reactivity	Hu, Ms, Rt, zebrafish
Immunogen Description	peptide
Other Names	Beta catenin antibody Beta-catenin antibody Cadherin associated protein antibody Catenin (cadherin associated protein), beta 1, 88kDa antibody Catenin beta 1 antibody Catenin beta-1 antibody CATNB antibody CHBCAT antibody CTNB1_HUMAN antibody CTNNB antibody CTNNB1 antibody DKFZp686D02253 antibody FLJ25606 antibody FLJ37923 antibody OTTHUMP00000162082 antibody OTTHUMP00000165222 antibody OTTHUMP00000165223 antibody OTTHUMP00000209288 antibody OTTHUMP00000209289 antibody
Accession No.	Swiss-Prot#:Q02248
Calculated MW	86-92 kDa
Formulation	1*TBS (pH7.4), 1%BSA, 40%Glycerol. Preservative: 0.05% Sodium Azide.
Storage	Store at -20°C

Application Details

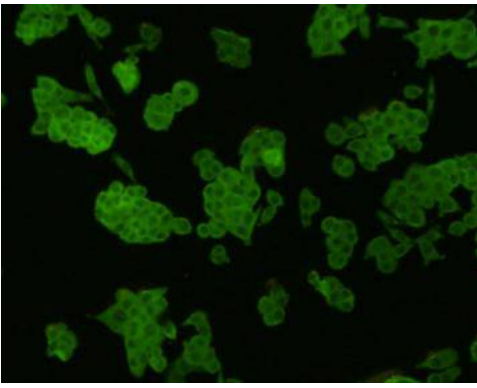
WB 1:5,000

ICC: 1:200

Images



Western blot analysis on cell lysates using anti-β-Catenin polyclonal antibody



ICC staining β -Catenin (green) in HeLa cells. Cells were fixed in paraformaldehyde, permeabilised with 0.25% Triton X100/PBS.

Background

β -Catenin is a multifunctional adaptor protein involved in cadherin-mediated cell-cell adhesion and in responding to the activation of several signal transduction pathways. CK1 phosphorylates β -catenin on Ser45. This phosphorylation event primes β -catenin for subsequent phosphorylation by GSK-3. GSK-3 β destabilizes β -catenin by phosphorylating it at Ser33, Ser37 and Thr41. Mutations in β -Catenin have been implicated in its accumulation and various forms of carcinomas.

References

- 1.Kikuchi A.;"Regulation of beta-catenin signaling in the Wnt pathway."; Biochem. Biophys. Res. Commun. 268:243-248(2000).
- 2.Dobrosotskaya I.Y., James G.L.; "MAGI-1 interacts with beta-catenin and is associated with cell-cell adhesion structures."; Biochem. Biophys. Res. Commun. 270:903-909(2000).
- 3.Kim J.-S., Crooks H., Dracheva T., Nishanian T.G., Singh B., Jen J., Waldman T.; "Oncogenic beta-catenin is required for bone morphogenetic protein 4 expression in human cancer cells."; Cancer Res. 62:2744-2748(2002).

Published Papers

el at., Circular RNA hsa_circ_0003823 promotes the Tumor Progression, Metastasis and Apatinib Resistance of Esophageal Squamous Cell Carcinoma by miR-607/CRISP3 Axis. In Int J Biol Sci on 2022 Sep 21 by Yu-Ming Wang, Qi-Wu Zhao, et al..PMID:36263172, , (2022)

[PMID:36263172](#)

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