

Anti-beta Catenin Antibody

Our beta Catenin rabbit polyclonal primary antibody from PhosphoSolutions is produced in-house. It d

Catalog # AN1322

Product Information

Application	WB, ICC
Primary Accession	Q9WU82
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Calculated MW	85455

Additional Information

Gene ID	84353
Other Names	b-catenin antibody, 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

Target/Specificity	beta Catenin, considered a moonlighting protein, is a component of mammalian cell adhesion complex in the cytoplasm along with playing a key downstream component of the canonical Wntless Int-1 (Wnt) signaling pathway in the nucleus (McTrea P.D et al, 1991 and Kemler R. et al, 1993). As part of a protein complex that forms adheren junctions, beta Catenin is necessary for the creation and maintenance of epithelial cell layers and barriers (Brembeck F.H. et al, 2006). beta Catenin is responsible for transmitting the contact inhibition signal that causes cells to stop dividing once the epithelial sheet is complete (Brembeck F.H. et al, 2006). The Wnt/beta Catenin signaling pathway plays important roles in mammalian development (Logan C.Y. et al, 2004) and irregular regulation of this signaling pathway is associated with human diseases and cancers (Moon R.T., 2004). HIPK2 is a negative regulator of the Wnt signaling via the direct phosphorylation of beta Catenin at ser33/37 causing degradation (Kim E.A. et al, 2010). Additionally, stabilization of beta Catenin has been shown when AMPK phosphorylates at ser552 regulating energy metabolism to cell differentiation and development by enhancing the beta Catenin/TCF mediated transcription within the Wnt/betaCatenin signaling pathway (Zhao J. et al, 2010).
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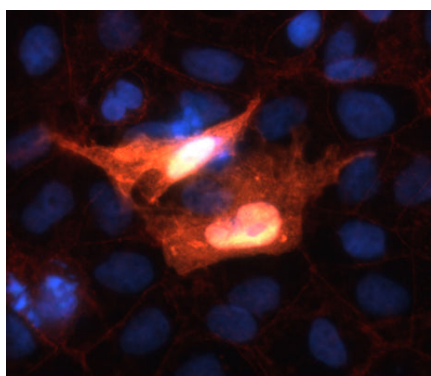
Dilution	WB~~1:1000 ICC~~N/A
Format	Antigen Affinity Purified from Pooled Serum

Storage	Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.
Precautions	Anti-beta Catenin Antibody is for research use only and not for use in diagnostic or therapeutic procedures.
Shipping	Blue Ice

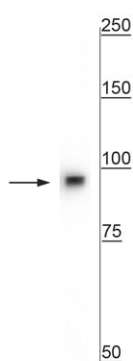
Background

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Images



Immunofluorescence of transfected COS-7 cells specifically labeling positive beta Catenin cells using our anti-beta Catenin antibody (1:200, red) and anti-FLAG antibody (green). The yellow color results from the overlap of cells labeled with both antibodies. DNA is labeled with DAPI (blue).



Western blot of rat whole brain lysate showing specific immunolabeling of the ~92 kDa beta Catenin protein.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.