www.antibodiesinc.com
orders@antibodiesinc.com
530-758-4400

PRODUCT DATASHEET

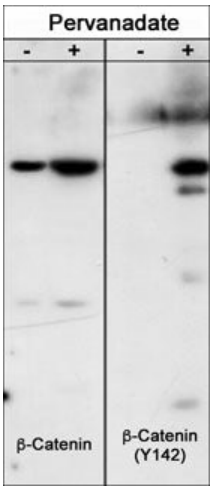
Anti-β-Catenin (Tyr-142) [γ-Catenin (Tyr-133)], Phosphospecific Antibody

Product Details

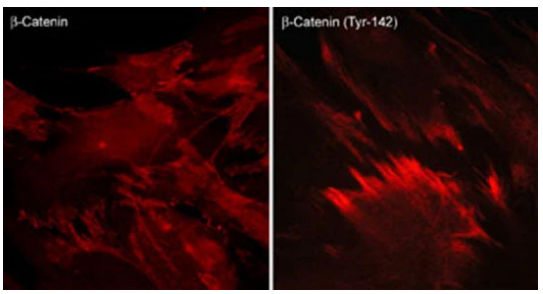
Available Variants	100 µL (SKU:CP1081)
Conjugate	Unconjugated
Isotype	IgG
Gene Name	CTNNB1
Host Species	Rabbit
Format	Antigen Affinity Purified
Physical State	Liquid
Buffer	PBS + 1 mg/ml BSA, 0.05% NaN3 and 50% glycerol
Applications	ELISA, ICC, WB
Dilution Ranges	WB: 1:500 ICC: 1:100
Species Reactivity	Human, Mouse, Rat
Immunogen	Phospho-β-Catenin (Tyr-142) synthetic peptide (coupled to KLH) corresponding to amino acid residues around tyrosine 142 of human β-Catenin. This peptide sequence has one amino acid difference from a sequence around tyrosine 133 of human γ-Catenin. These human sequences are highly conserved in rat and mouse β- and γ-Catenins.
Specificity	This antibody was cross-adsorbed to phospho-tyrosine coupled to agarose before affinity purification using phospho-β-Catenin (Tyr-142) peptide (without carrier). The antibody detects a 92kDa* protein corresponding to the molecular mass of β-Catenin on SDS-PAGE immunoblots of Hct116 src-transformed cells treated with pervanadate, but not in control cells. Similar results were observed in pervanadate-treated A431 and human endothelial cells.
Molecular Weight	92

Quality Control	Western blots performed on each lot.
Storage	Storage at -20°C is recommended, as aliquots may be taken without freeze/thawing due to presence of 50% glycerol. Stable for at least 1 year at -20°C.
UniProt ID	P35222
Country of Origin	United States
Shipping	Blue Ice
Expiration	After date of receipt, stable for at least 1 year at -20°C.
Usage Statement	For research use only. Not intended for therapeutic or diagnostic use. Use of all products is subject to our terms and conditions, which can be viewed on our website.
Post Translational Modification Type	Phosphorylated
Post Translational Modification Residue	Tyr-142

Product Images



Western blot analysis of Hct116 src transformed cells (20 µg/lane) serum starved overnight or treated with pervanadate (1 mM) for 30 min. The blot was probed with anti-β-Catenin or anti-β-Catenin (Tyr-142).



Immunocytochemical labeling of phosphorylated β-Catenin in paraformaldehyde-fixed and NP-40-permeabilized rabbit spleen fibroblasts. The cells were labeled with mouse monoclonal β-Catenin and rabbit polyclonal β-Catenin (Tyr-142) antibodies, then the antibodies were detected using appropriate secondary antibodies conjugated to Cy3.

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