



Rabbit Anti-Beta-Catenin monoclonal antibody, clone TB41-15 (CABT-BL8493)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Target	Beta-Catenin
Immunogen	Recombinant protein
Isotype	IgG
Source/Host	Rabbit
Species Reactivity	Human, Mouse, Rat
Clone	TB41-15
Purification	Protein A purified.
Conjugate	Unconjugated
Applications	WB, ICC, IHC, IP
Molecular Weight	92 kDa
Cellular Localization	Cytoplasm, Nucleus, Cell membrane, Cell junction
Positive Control	SW480, HT29, A431, HepG2, human colon cancer tissue, mouse small intestine tissue.
Format	Liquid
Size	100 µl
Buffer	1×TBS (pH7.4), 1% BSA, 40% Glycerol.
Preservative	0.05% Sodium Azide

Storage	Store at +4°C after thawing. Aliquot store at -20°C or -80°C. Avoid repeated freeze / thaw cycles.
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BACKGROUND

Introduction	<p>β-Catenin is a key downstream effector in the Wnt signaling pathway. It is implicated in two major biological processes in vertebrates: early embryonic development and tumorigenesis. Phosphorylation at Ser-552 by AMPK promotes stabilization of the protein, enhancing TCF/LEF-mediated transcription. Phosphorylation on Tyr-654 decreases CDH1 binding and enhances TBP binding. GSK-3β destabilizes β-catenin by phosphorylating it at Ser33, Ser37, and Thr41. Mutations at these sites result in the stabilization of β-catenin protein levels and have been found in many tumor cell lines.</p>
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Keywords	<p>Beta catenin;Beta-catenin;Cadherin associated protein;Catenin (cadherin associated protein), beta 1, 88kDa;Catenin beta 1;Catenin beta-1;CATNB;CHBCAT;CTNB1_HUMAN;CTNNB;CTNNB1;DKFZp686D02253;FLJ25606;FLJ37923;OTTHUM antibody</p>
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GENE INFORMATION

Entrez Gene ID	9759
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