



Catenin- β (phospho Tyr489) rabbit pAb

Cat No.:ES4891

For research use only

Overview

Product Name	Catenin- β (phospho Tyr489) rabbit pAb
Host species	Rabbit
Applications	WB;IHC;IF;ELISA
Species	Human;Mouse;Rat;Monkey
Cross-Reactivity	
Recommended dilutions	Western Blot: 1/500 - 1/2000. Immunohistochemistry: 1/100 - 1/300. ELISA: 1/40000. Not yet tested in other applications.
Immunogen	The antiserum was produced against synthesized peptide derived from human Catenin-beta around the phosphorylation site of Tyr489. AA range:455-504
Specificity	Phospho-Catenin- β (Y489) Polyclonal Antibody detects endogenous levels of Catenin- β protein only when phosphorylated at Y489.
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Storage	Store at -20°C. Avoid repeated freeze-thaw cycles.
Protein Name	Catenin- β ;b-catenin;Beta catenin;Beta-catenin;Cadherin associated protein;Catenin (cadherin associated protein), beta 1, 88 kDa;Catenin beta 1;Catenin beta-1;CATNB;CHBCAT;CTNB1_HUMAN;CTNNB;CTNNB1;DKFZ CTNNB1 CTNNB OK/SW-cl.35 PRO2286
Gene Name	
Cellular localization	Cytoplasm . Nucleus . Cytoplasm, cytoskeleton . Cell junction, adherens junction . Cell junction . Cell membrane . Cytoplasm, cytoskeleton, microtubule organizing center, centrosome. Cytoplasm, cytoskeleton, spindle pole. Cell junction, synapse . Cytoplas
Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Clonality	Polyclonal
Concentration	1 mg/ml
Observed band	92kD
Human Gene ID	1499
Human Swiss-Prot	P35222



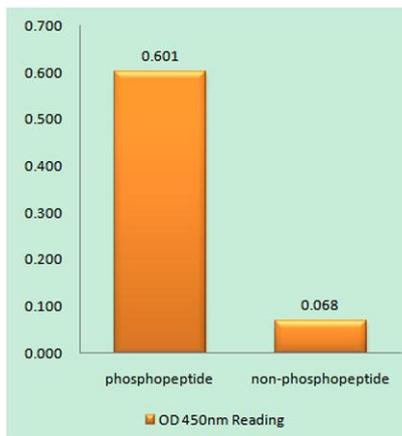


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Alternative Names

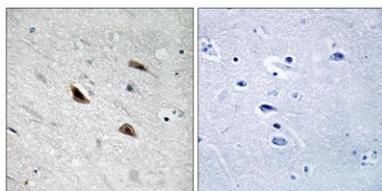
Background

CTNNB1; CTNNB; OK/SW-cl.35; Catenin beta-1; Beta-catenin
The protein encoded by this gene is part of a complex of proteins that constitute adherens junctions (AJs). AJs are necessary for the creation and maintenance of epithelial cell layers by regulating cell growth and adhesion between cells. The encoded protein also anchors the actin cytoskeleton and may be responsible for transmitting the contact inhibition signal that causes cells to stop dividing once the epithelial sheet is complete. Finally, this protein binds to the product of the APC gene, which is mutated in adenomatous polyposis of the colon. Mutations in this gene are a cause of colorectal cancer (CRC), pilomatrixoma (PTR), medulloblastoma (MDB), and ovarian cancer. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Aug 2016],



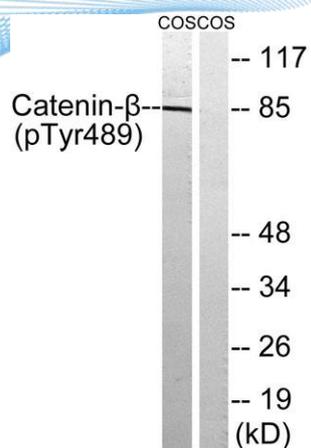
Enzyme-Linked Immunosorbent Assay (Phospho-ELISA) for Immunogen Phosphopeptide (Phospho-left) and Non-Phosphopeptide (Phospho-right), using Catenin-beta (Phospho-Tyr489) Antibody

Immunohistochemistry analysis of paraffin-embedded human brain, using Catenin-beta (Phospho-Tyr489) Antibody. The picture on the right is blocked with the phospho peptide.





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Western blot analysis of lysates from COS7 cells treated with UV 15', using Catenin-beta (Phospho-Tyr489) Antibody. The lane on the right is blocked with the phospho peptide.



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