

## CTNNB1

### Rabbit Anti-Human beta-Catenin Clone Poly6001 pAb

<b>Catalog No.</b>	CS114321A CS114321B	<b>Quantity:</b>	50 µl 200 µl
<b>Alternate Names:</b>	CTNNB, DKFZp686D02253, FLJ25606, FLJ37923, catenin (cadherin-associated protein), beta 1 (88kD), catenin beta-1		
<b>Description:</b>	β-catenin is a 94 kD nuclear and cytoplasmic protein containing Armadillo repeats. This protein is involved in cell-cell adhesion, wntless/WNT signaling pathway, and has been implicated as an oncogene. β-catenin can be modified by glycosylation, phosphorylation, and ubiquitination to target for degradation. This protein has been shown to interact with E-cadherin, α-catenin, axin, APC, GSK-3β, and Tcf/Lef. Dissociation from axin allows cytoplasmic accumulation, after nuclear translocation binds Tcf/Lef. The Poly6001 antibody has been reported to be useful for Western blotting and immunofluorescence of the mouse and human β-catenin protein.		
<b>Gene ID:</b>	1499		
<b>Structure:</b>	Armadillo repeats; 94 kD.		
<b>Distribution:</b>	Nuclear, cytoplasmic		
<b>Host:</b>	Rabbit		
<b>Immunogen:</b>	Recombinant (partial), C-terminal		
<b>Isotype:</b>	IgG		
<b>Clone:</b>	Poly6001		
<b>Function:</b>	Cell-cell adhesion, wntless/WNT signaling pathway, transcription factor, oncogene.		
<b>Formulation:</b>	This antibody is provided in phosphate-buffered solution, pH 7.2, containing 0.09% sodium azide and 50% glycerol. <b>Precaution:</b> Sodium azide is a poisonous and hazardous substance which should be handled by trained staff only.		
<b>Purification:</b>	The antibody was purified by antigen-affinity chromatography.		
<b>Regulation:</b>	Degraded through phosphorylation then ubiquitination, disassociation from axin complex allows cytoplasmic accumulation. Translocation to nucleus, binds Tcf/Lef.		
<b>Reactivity:</b>	Mouse, Human		
<b>Applications:</b>	WB, IF		
<b>Recommended Usage:</b>	Each lot of this antibody is quality control tested by Western blotting. Western blotting, suggested working dilution(s): Use 10 µl per 5 ml antibody dilution buffer for each mini-gel. For immunofluorescence microscopy: Use a starting dilution of 1:100~1:400. It is recommended that the reagent be titrated for optimal performance for each application.		



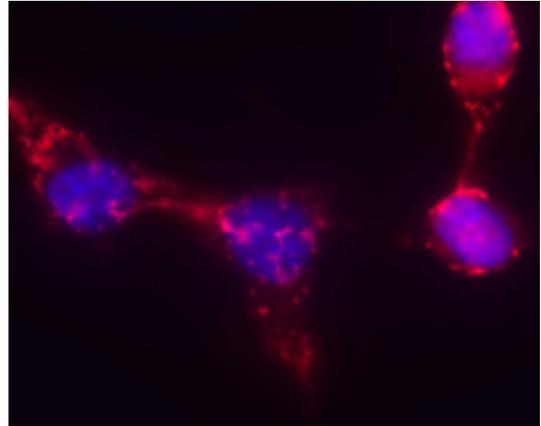
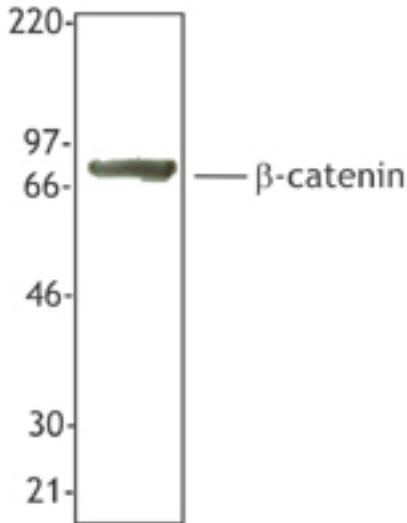
**Storage & Stability:** Upon receipt, store frozen at -20° C.

**Modification:** Phosphorylation, Glycosylation, Ubiquitination

**Interaction:** E-cadherin,  $\alpha$ -catenin, Axin, APC, CK1a, GSK-3 $\beta$ , Tcf/Lef

MOLT-4 cell lysate was resolved by electrophoresis, transferred to nitrocellulose and probed with rabbit polyclonal anti- $\beta$ -catenin antibody.

Immunofluorescent microscope analysis of HeLa cells using anti  $\beta$ -catenin polyclonal antibody (red). Nuclei were stain with DAPI (blue).



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