

## Anti-CTNNB1 Antibody (8Y337)

## Product Details

Ig Type:	IgG
Reactivity:	Human,Mouse,Rat
Conjugation:	Unconjugated
Molecular Weight:	Theoretical: 92 kDa.
Clone:	8Y337
Purification:	ProA affinity purified

## Applications

Application:	ICC,IHC,IP,WB
Recommended	WB: 1:500-5000; IHC: 1:20-200; ICC: 1:20-50; IP: 1:10-50

## Properties

Stability & Storage:	Store at -20°C or -80°C for 12 months. Avoid repeated freeze-thaw cycles.
Shipping:	Shipping with blue ice.

## Antigen Details

Immunogen:	Recombinant Protein
Uniprot ID:	P35222
Synonyms:	CTNNB;OK/SW-cl.35;NEDSDV;beta-catenin;armadillo;EVR7;MRD19;PRO2286

## Research Background

$\beta$ -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-3 $\beta$  destabilizes  $\beta$ -catenin by phosphorylating it at Ser33, Ser37, and Thr41. Mutations at these sites result in the stabilization of  $\beta$ -catenin protein levels and have been found in many tumor cell lines.

**Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins**

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