

beta Catenin Polyclonal Antibody (CAT-15)

Product Details

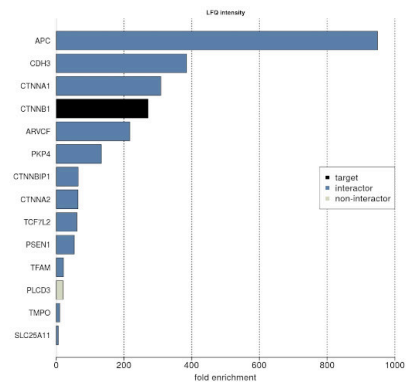
Size	100 µg
Species Reactivity	Chicken, Human, Mouse, Rat, Xenopus
Published Species	Dog, Avian, Rabbit, Rat, Pig, Amphibian, Human, Mouse, Xenopus
Host/Isotype	Rabbit / IgG
Class	Polyclonal
Type	Antibody
Clone	CAT-15
Conjugate	Unconjugated
Immunogen	A 15-amino acid synthetic peptide derived from the C-terminus of the human/mouse beta-catenin protein.
Form	Liquid
Concentration	0.25 mg/mL
Purification	Antigen affinity chromatography
Storage buffer	PBS, pH 7.4
Contains	0.1% sodium azide
Storage conditions	-20°C
RRID	AB_2533982

Applications	Tested Dilution	Publications
Western Blot (WB)	1-2 µg/mL	42 Publications
Immunohistochemistry (IHC)	-	19 Publications
Immunohistochemistry (Paraffin) (IHC (P))	1:20-1:200	3 Publications
Immunohistochemistry (Frozen) (IHC (F))	-	5 Publications
Immunocytochemistry (ICC/IF)	Assay-dependent	34 Publications
ELISA (ELISA)	0.1-1 mg/mL	-
Immunoprecipitation (IP)	5-10 µg	4 Publications
ChIP assay (ChIP)	-	9 Publications
Miscellaneous PubMed (Misc)	-	4 Publications

Product Specific Information

This antibody can be used to specifically immunoprecipitate the ~ 92 kDa beta-catenin protein from native cell lysates. It is suitable for use in immunoprecipitation (IP) and IP/western applications. Note that when the antibody is used for straight western blotting, cross-reactivity with a ~100 kDa protein of unknown identity is sometimes observed. Suggested positive control lysates include HeLa and A431.

Product Images For beta Catenin Polyclonal Antibody (CAT-15)



beta Catenin Antibody (71-2700)

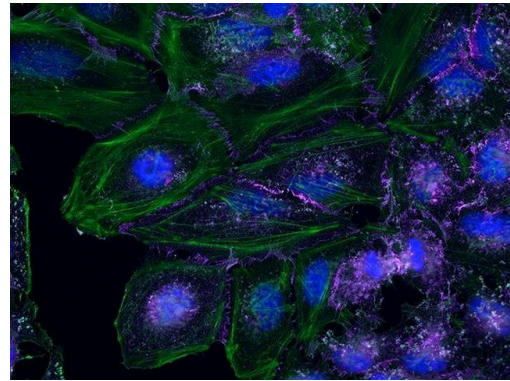
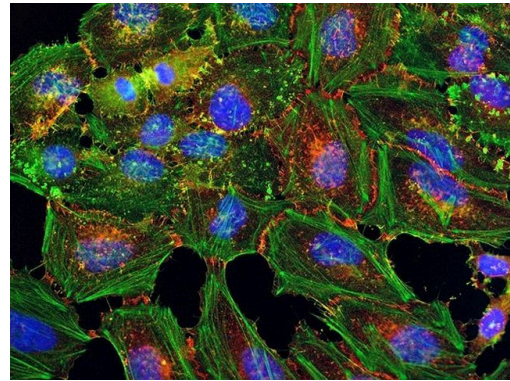
IP-MS enrichment of CTNNB1 (LFQ intensity): CTNNB1 was enriched 271-fold from HCT116 lysate compared to background proteins, using the optimized IP-MS workflow with Pierce MS-Compatible Magnetic IP Kit protein A/G (Product # 90409) and CTNNB1 antibody (Product # 71-2700). STRING database was used to identify the protein interactor list. See more information on IP-MS verification of antibody selectivity. {IP-MS}

beta Catenin Antibody (71-2700) in ICC/IF

HeLa cells were plated on coverslips overnight. The next day the cells were fixed and permeabilized using the Image-iT® Fixation/Permeabilization Kit (Product # R37602) according to protocol. Cells were then incubated with 3 µg/mL anti-B-catenin antibody (Product # 71-2700) for 60 min at room temperature followed by three washes with dPBS. Cells were then incubated with a 1:1000 dilution of goat anti-rabbit Qdot® 655 secondary antibody (Product # Q-11421MP) for 60 min, followed by three washes with dPBS. Cells were labeled with NucBlue® Live cell stain (Product # R37605) and ActinGreen™ 488 ReadyProbes® reagent (Product # R37110) according to protocol. Coverslips were then mounted using ProLong® Gold Antifade Reagent (Product # P36930). Images were taken using the EVOS® FL Auto Imaging System and a 40X Coverslip corrected objective (Product # AMEP4699).

beta Catenin Antibody (71-2700) in ICC/IF

HeLa cells were plated on coverslips overnight. The next day the cells were fixed and permeabilized using the Image-iT® Fixation/Permeabilization Kit (Product # R37602) according to protocol. Cells were then incubated with 3 µg/mL anti-B-catenin antibody (Product # 71-2700) for 60 min at room temperature followed by three washes with dPBS. Cells were then incubated with a 1:1000 dilution of goat anti-rabbit Qdot® 655 secondary antibody (Product # Q-11421MP) for 60 min, followed by three washes with dPBS. Cells were labeled with NucBlue® Live cell stain (Product # R37605) and ActinGreen™ 488 ReadyProbes® reagent (Product # R37110) according to protocol. Coverslips were then mounted using ProLong® Gold Antifade Reagent (Product # P36930). Images were taken using the EVOS® FL Auto Imaging System and a 40X Coverslip corrected objective (Product # AMEP4699).



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Western Blot (42)

<p>Frontiers in cell and developmental biology</p> <p>3,4,5-Tri-O-Caffeoylquinic Acid Promoted Hair Pigmentation Through - Catenin and Its Target Genes.</p> <p>"Published figure using beta Catenin polyclonal antibody (Product # 71-2700) in Western Blot"</p> <p>Authors: Bejaoui M,Villareal MO,Isoda H</p>	<p>Year 2023</p> <p>Species Mouse</p>
<p>iScience</p> <p>Addition of exogenous diacylglycerol enhances Wnt/-catenin signaling through stimulation of macropinocytosis.</p> <p>"Published figure using beta Catenin polyclonal antibody (Product # 71-2700) in Western Blot"</p> <p>Authors: Azbazdar Y,Tejeda-Munoz N,Monka JC,Dayrit A,Binder G,Ozhan G,De Robertis EM</p>	<p>Year 2023</p>

View more WB references on thermofisher.com

Immunohistochemistry (19)

<p>eLife</p> <p>Hedgehog regulation of epithelial cell state and morphogenesis in the larynx.</p> <p>"71-2700 was used in Immunohistochemistry-immunofluorescence to propose that SHH signaling has a default role in maintaining epithelial identity throughout the anterior foregut and that regionalized reductions in SHH trigger epithelial remodeling."</p> <p>Authors: Ramachandran J,Zhou W,Bardenhagen AE,Nasr T,Yates ER,Zorn AM,Ji H,Vokes SA</p>	<p>Year 2022</p> <p>Species Mouse</p> <p>Dilution 1:500</p>
<p>Cell & bioscience</p> <p>PA1 participates in the maintenance of blood-testis barrier integrity via cooperation with JUN in the Sertoli cells of mice.</p> <p>"Published figure using beta Catenin polyclonal antibody (Product # 71-2700) in Immunohistochemistry"</p> <p>Authors: Liu B,Liu C,Ma B,Zhang R,Zhao Z,Xiao S,Cao W,Ma Y,Zhu G,Li W,Li Z</p>	<p>Year 2022</p>

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More applications with references on thermofisher.com

- IHC (P) (3)
- IHC (F) (5)
- ICC/IF (34)
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- ChIP (9)
- Misc (4)

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