

# beta Catenin Monoclonal Antibody (15B8)

Product Details	
Size	100 µg
Species Reactivity	Human, Mouse, Non-human primate, Rat
Published Species	Human, Mouse
Host/Isotype	Mouse
Class	Monoclonal
Type	Antibody
Clone	15B8
Conjugate	Unconjugated
Immunogen	Recombinant beta Catenin protein.
Form	Liquid
Concentration	1 mg/mL
Purification	Protein A
Storage buffer	PBS with 1mg/mL BSA
Contains	0.05% sodium azide
Storage conditions	-20° C, Avoid Freeze/Thaw Cycles
RRID	AB_1070649

Applications	Tested Dilution	Publications
Western Blot (WB)	1:500-1:1,000	10 Publications
Immunohistochemistry (IHC)	-	3 Publications
Immunohistochemistry (Paraffin) (IHC (P))	1:100-1:1,000	-
Immunocytochemistry (ICC/IF)	1:50-1:1,000	3 Publications
Immunoprecipitation (IP)	Assay-dependent	-
Gel Shift (GS)	Assay-dependent	-

## Product Specific Information

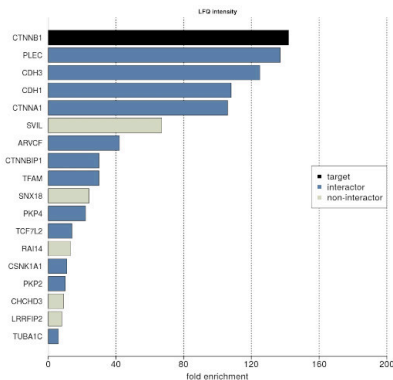
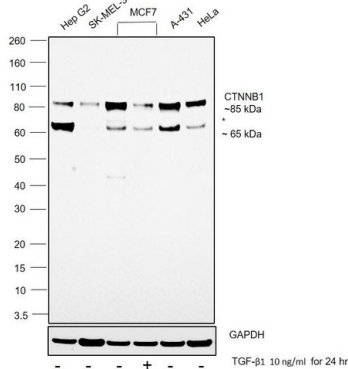
MA1-301 detects beta Catenin from human, mouse, monkey, and rat samples.

MA1-301 has been successfully used in Western blot, gel shift, immunohistochemistry (paraffin), and immunofluorescence applications. By Western blot this antibody detects a ~94 kDa protein representing beta Catenin.

Product Images For beta Catenin Monoclonal Antibody (15B8)

beta Catenin Antibody (MA1-301) in WB

Western blot was performed using Anti-beta Catenin Monoclonal Antibody (15B8) (Product # MA1-301) and a 85 kDa band corresponding to Catenin beta-1 was observed across the cell lines tested and decreased upon TGF-β1 treatment in MCF7 cells. Also, there was a non specific band observed around 65 kDa. Whole cell extracts (30 μg lysate) of Hep G2 (Lane 1), SK-MEL-31 (Lane 2), MCF7 (Lane 3), MCF7 treated with 10 ng/mL of TGF-β1 for 24 hours (Lane 4), A-431 (Lane 5) and HeLa (Lane 6) were electrophoresed using NuPAGE™ 4-12% Bis-Tris Protein Gel (Product # NP0322BOX). Resolved proteins were then transferred onto a Nitrocellulose membrane (Product # LC2002) by iBlot® 2 Dry Blotting System (Product # IB21001). The blot was probed with the primary antibody (1:1000 dilution) and detected by chemiluminescence with Goat anti-Mouse IgG (H+L) Superclonal™ Recombinant Secondary Antibody, HRP (Product # A28177, 1:4000 dilution) using the iBright FL 1000 (Product # A32752). Chemiluminescent detection was performed using Novex® ECL Chemiluminescent Substrate Reagent Kit (Product # WP20005).

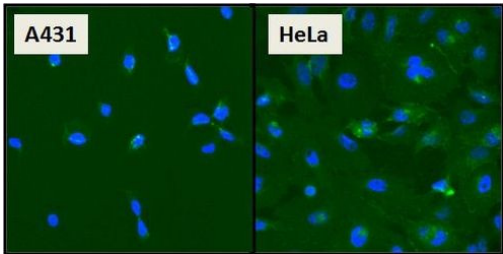


beta Catenin Antibody (MA1-301)

IP-MS enrichment of CTNNB1 (LFQ intensity): CTNNB1 was enriched 142-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 # MA1-301). 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 (MA1-301) in ICC/IF

Immunofluorescent analysis of beta-Catenin (green) in A431 and HeLa cells. Formalin fixed cells were permeabilized with 0.1% Triton X-100 in TBS for 10 minutes at room temperature and blocked with 1% Blocker BSA (Product # 37525) for 15 minutes at room temperature. Cells were probed with a monoclonal antibody (Product # MA1-301), at a dilution of 1:50 for at least 1 hour at room temperature, washed with PBS, and incubated with DyLight 488 goat anti-mouse IgG secondary antibody (Product # 35502) at a dilution of 1:400 for 30 minutes at room temperature. Nuclei (blue) were stained with Hoechst 33342 dye (Product # 62249). Images were taken on a Thermo Scientific ArrayScan at 20X magnification.



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## Western Blot (10)

<p><b>PloS one</b></p> <p><b>Proteomic characterization of GSK3 knockout shows altered cell adhesion and metabolic pathway utilisation in colorectal cancer cells.</b></p> <p>"Published figure using beta Catenin monoclonal antibody (Product # MA1-301) in Western Blot"</p> <p>Authors: Bowler-Barnett E,Martinez-Garcia FD,Sherwood M,Aleidan A,John S,Weston S,Wang Y,Divecha N,Skipp P, Ewing RM</p>	<p><b>Year</b> 2021</p> <p><b>Species</b> Human</p> <p><b>Dilution</b> 1:1000</p>
<p><b>Molecular medicine reports</b></p> <p><b>miR125a5p reverses epithelialmesenchymal transition and restores drug sensitivity by negatively regulating TFAZZIN signaling in breast cancer.</b></p> <p>"Published figure using beta Catenin monoclonal antibody (Product # MA1-301) in Western Blot"</p> <p>Authors: Li D,Chen L,Zhang X,Wang Y,Huang C,Li J,He F,He W</p>	<p><b>Year</b> 2021</p>

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## Immunohistochemistry (3)

<p><b>Frontiers in pharmacology</b></p> <p><b>Ginsenoside Rb1 Lessens Gastric Precancerous Lesions by Interfering With -Catenin/TCF4 Interaction.</b></p> <p>"Published figure using beta Catenin monoclonal antibody (Product # MA1-301) in Immunohistochemistry"</p> <p>Authors: Zeng J,Ma X,Zhao Z,Chen Y,Wang J,Hao Y,Yu J,Zeng Z,Chen N,Zhao M,Tang J,Gong D</p>	<p><b>Year</b> 2021</p>
<p><b>Scientific reports</b></p> <p><b>E-cadherin dynamics is regulated by galectin-7 at epithelial cell surface.</b></p> <p>"Published figure using beta Catenin monoclonal antibody (Product # MA1-301) in Immunofluorescence"</p> <p>Authors: Advedissian T,Proux-Gillardeaux V,Nkosi R,Peyret G,Nguyen T,Poirier F,Viguiet M,Deshayes F</p>	<p><b>Year</b> 2017</p> <p><b>Species</b> Mouse</p>

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## More applications with references on thermofisher.com

### ICC/IF (3)

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