

beta Catenin Monoclonal Antibody (15B8)

Product Details	
Size	100 µg
Species Reactivity	Human, Mouse, Non-human primate, Rat
Published Species	Human, Mouse
Host/Isotope	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

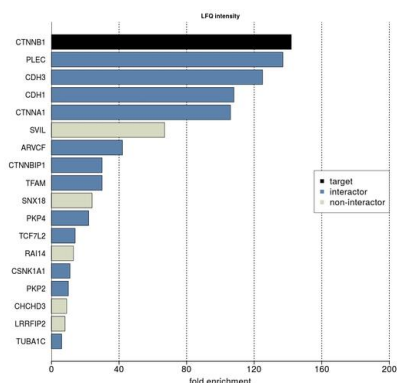
Applications	Tested	Dilution	Published
Western Blot (WB)	✓	1:500 - 1:1000	1 Publication
Immunohistochemistry (IHC)	-		1 Publication
Immunofluorescence (IF)	✓	1:50 - 1:1000	1 Publication
Gel Shift (GS)	✓	Assay Dependent	
Immunocytochemistry (ICC)	✓	1:50-1:1000	
Immunohistochemistry (Paraffin) (IHC (P))	✓	1:100 - 1:1000	
Immunoprecipitation (IP)	✓	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.

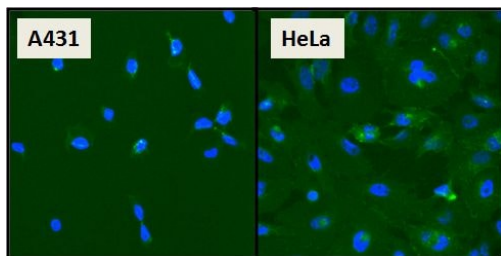
Advanced Verification Data



beta Catenin Antibody (MA1-301)

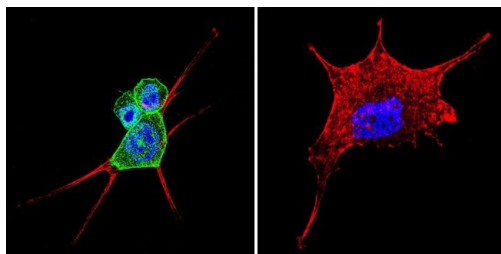
IP-MS enrichment of CTNNB1 (LFQ intensity): CTNNB1 was enriched 142-fold from HCT116 lysate compared to background proteins, using the optimized IP-MS workflow with Pierce MS-Compatible Magnetic IP Kit protein A/G (Product # 90409) and CTNNB1 antibody (Product # MA1-301). STRING database was used to identify the protein interactor list. See more information on IP-MS verification of antibody selectivity. IP-MS validation info.

Product Images For beta Catenin Monoclonal Antibody (15B8)



beta Catenin Antibody (MA1-301) in 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.



beta Catenin Antibody (MA1-301) in IF

Immunofluorescent analysis of Catenin beta in NIH-3T3 cells. Cells were grown on chamber slides and fixed with formaldehyde prior to staining. Cells were probed without (control) or with a Catenin beta monoclonal antibody (Product # MA1-301) at a dilution of 1:200 overnight at 4 C, washed with PBS and incubated with a DyLight-488 conjugated secondary antibody (Product # 35503). Catenin beta staining (green), F-Actin staining with Phalloidin (red) and nuclei with DAPI (blue) is shown. Images were taken at 60X magnification.

[View more figures on thermofisher.com](https://www.thermofisher.com)

3 References

Western Blot (1)

Aging

A hypothesis-driven approach identifies CDK4 and CDK6 inhibitors as candidate drugs for treatments of adrenocortical carcinomas.

"Published figure using beta Catenin monoclonal antibody (Product # MA1-301) in Western Blot"

Authors: Hadjadj D, Kim SJ, Denecker T, Ben Driss L, Cadoret JC, Maric C, Baldacci G, Fauchereau F

Species
Human

Dilution
Not Cited

Year
2017

Immunohistochemistry (1)

Scientific reports

E-cadherin dynamics is regulated by galectin-7 at epithelial cell surface.

"MA1-301 was used in Immunohistochemistry to identify galectin-7 as a direct partner of E-cadherin, a key component of adherens junctions."

Authors: Advedissian T, Proux-Gillardeaux V, Nkosi R, Peyret G, Nguyen T, Poirier F, Viguier M, Deshayes F

Species
Mouse

Dilution
Not Cited

Year
2017

Immunofluorescence (1)

PLoS neglected tropical diseases

Leptospira interrogans causes quantitative and morphological disturbances in adherens junctions and other biological groups of proteins in human endothelial cells.

"Published figure using beta Catenin monoclonal antibody (Product # MA1-301) in Immunofluorescence"

Authors: Sato H, Coburn J

Species
Not Applicable

Dilution
Not Cited

Year
2017

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