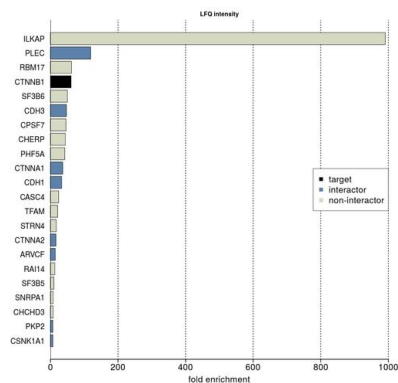


# beta Catenin Monoclonal Antibody (CAT-5H10)

## Product Details

Size	100 µg
Species	Chicken, Human, Mouse
Published Species	Dog, Artificial Control, Rat, Bovine, Human, Mouse, Chicken, Rhesus monkey
Expression System	Mouse / IgG1, kappa
Class	Monoclonal
Type	Antibody
Clone	CAT-5H10
Conjugate	Unconjugated
Immunogen	Fusion protein consisting of the maltose binding protein fused to a 100 amino acid segment of the C-terminus of chicken beta-Catenin.
Form	Liquid
Concentration	0.5 mg/mL
Purification	Affinity chromatography
Storage buffer	PBS, pH 7.4
Contains	0.1% sodium azide
Storage Conditions	-20°C
RRID	AB_2533039

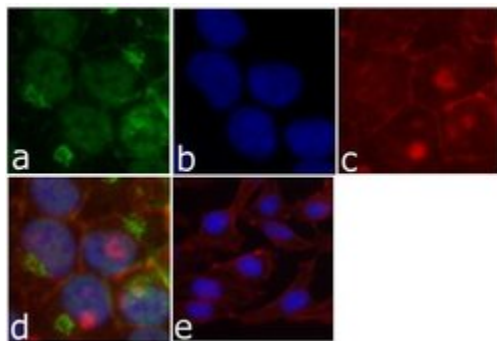
Applications	Tested Dilution	Publications
Immunocytochemistry (ICC)	Assay Dependent	17 Publications
Immunofluorescence (IF)	Assay Dependent	23 Publications
Immunohistochemistry (Paraffin) (IHC (P))	1:10-1:100	27 Publications
Immunoprecipitation (IP)	Assay Dependent	4 Publications
Western Blot (WB)	Assay Dependent	30 Publications
ELISA (ELISA)	-	1 Publication
Immunohistochemistry (Frozen) (IHC (F))	-	2 Publications
Immunohistochemistry (IHC)	-	21 Publications
Miscellaneous PubMed (Misc)	-	26 Publications



### beta Catenin Antibody (13-8400)

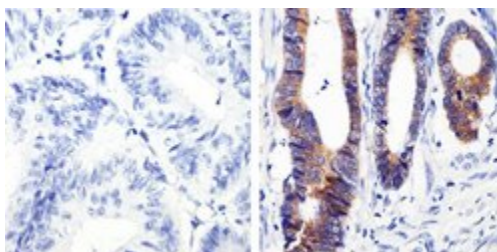
IP-MS enrichment of CTNNB1 (LFQ intensity): CTNNB1 was enriched 61-fold from HCT116 lysate compared to background proteins, using the optimized IP-MS workflow with Pierce MS-Compatible Magnetic IP Kit protein A/G (Product # 90409) and CTNNB1 antibody (Product # 13-8400). STRING database was used to identify 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 (CAT-5H10)



### beta Catenin Antibody (13-8400) in IF

Immunofluorescent analysis of Beta-Catenin was done on 70% confluent log phase HeLa cells. The cells were fixed with 4% paraformaldehyde for 15 minutes; permeabilized with 0.25% Triton™ X-100 for 10 minutes followed by blocking with 5% BSA for 1 hour at room temperature. The cells were incubated with Beta-Catenin Mouse Monoclonal Antibody (Product # 13-8400) at 1.5 µg/mL in 1% BSA and incubated for 3 hours at room temperature and then labeled with Alexa Fluor 488 Rabbit Anti-Mouse IgG Secondary Antibody (Product # A-11059) at a dilution of 1:400 for 30 minutes at room temperature (Panel a: green). Nuclei (Panel b: blue) were stained with SlowFade Gold Antifade Mountant with DAPI (Product # S36938). F-actin (Panel c: red) was stained with Alexa Fluor 594 Phalloidin (Product # A12381). Panel d is a merged image showing cytoplasmic localization of Beta-Catenin and panel e is a no primary antibody control. The images were captured at 20X magnification.



### beta Catenin Antibody (13-8400) in IHC (P)

Immunohistochemistry analysis of Beta catenin showing staining in the cytoplasm and membrane of paraffin-embedded human colon carcinoma (right) compared to a negative control without primary antibody (left). To expose target proteins, antigen retrieval was performed using 10mM sodium citrate (pH 6.0), microwaved for 8-15 min. Following antigen retrieval, tissues were blocked in 3% H<sub>2</sub>O<sub>2</sub>-methanol for 15 min at room temperature, washed with ddH<sub>2</sub>O and PBS, and then probed with a Beta catenin monoclonal antibody (Product # 13-8400) diluted in 3% BSA-PBS at a dilution of 1:100 overnight at 4°C in a humidified chamber. Tissues were washed extensively in PBST and detection was performed using an HRP-conjugated secondary antibody followed by colorimetric detection using a DAB kit. Tissues were counterstained with hematoxylin and dehydrated with ethanol and xylene to prep for mounting.

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

## Immunocytochemistry (17)

Frontiers in physiology

### The Apical Localization of Na<sup>+</sup>, K<sup>+</sup>-ATPase in Cultured Human Retinal Pigment Epithelial Cells Depends on Expression of the $\alpha_2$ Subunit.

"Published figure using beta Catenin monoclonal antibody (Product # 13-8400) in Immunofluorescence"

Authors: Lobato-Álvarez JA,Roldán ML,López-Murillo TD,González-Ramírez R,Bonilla-Delgado J,Shoshani L

**Species**  
Human

**Dilution**  
Not Cited

**Year**  
2020

Cellular physiology and biochemistry : international journal of experimental cellular physiology, biochemistry, and pharmacology

### Ouabain Modulates the Adherens Junction in Renal Epithelial Cells.

"13-8400 was used in Immunocytochemistry-immunofluorescence to determine the physiological role of ouabain."

Authors: Castillo A,Ortuño-Pineda C,Flores-Maldonado C,Larre I,Martínez Rendón J,Hinojosa L,Ponce A,Ogazón A, Serrano M,Valdes J,Contreras RG,Cerejido M

**Species**  
Dog

**Dilution**  
Not Cited

**Year**  
2019

[View more ICC references on thermofisher.com](#)

## Immunofluorescence (23)

Frontiers in physiology

### The Apical Localization of Na<sup>+</sup>, K<sup>+</sup>-ATPase in Cultured Human Retinal Pigment Epithelial Cells Depends on Expression of the $\alpha_2$ Subunit.

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**Dilution**  
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**Year**  
2019

[View more IF references on thermofisher.com](#)

## More applications with references on thermofisher.com

IHC (21)   WB (30)   IHC (P) (27)   Misc (26)   IP (4)   IHC (F) (2)   ELISA (1)

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