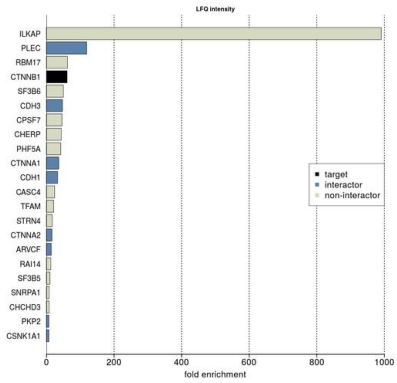
beta Catenin Monoclonal Antibody (CAT-5H10)

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

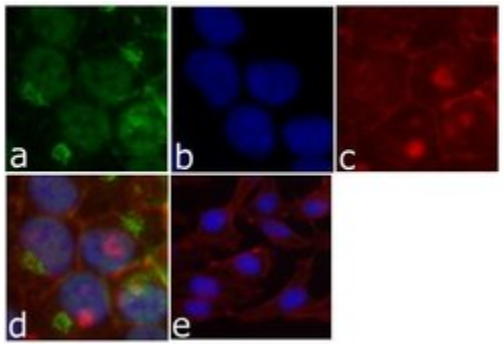
Applications	Tested Dilution	Publications
Immunocytochemistry (ICC)	Assay Dependent	17 Publications
Immunofluorescence (IF)	Assay Dependent	23 Publications
Immunohistochemistry (Paraffin) (IHC (P))	1:10-1:100	27 Publications
Immunoprecipitation (IP)	Assay Dependent	4 Publications
Western Blot (WB)	Assay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

Advanced Verification Data

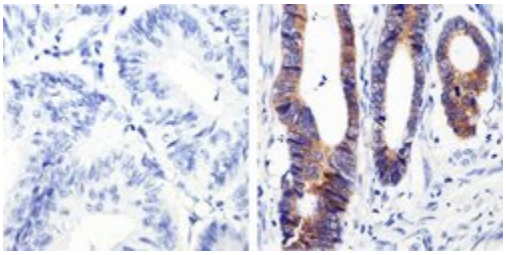


beta Catenin Antibody (13-8400)
IP-MS enrichment of CTNNB1 (LFQ intensity): CTNNB1 was enriched 61-fold from HCT116 lysate compared to background proteins, using the optimized IP-MS workflow with Pierce MS-Compatible Magnetic IP Kit protein A/G (Product # 90409) and CTNNB1 antibody (Product # 13-8400). 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% H2O2-methanol for 15 min at room temperature, washed with ddH2O 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

151 References

Immunocytochemistry (17)

Frontiers in physiology

The Apical Localization of Na^+, K^+-ATPase in Cultured Human Retinal Pigment Epithelial Cells Depends on Expression of the $_2$ 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-immunoflourescence 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,Cereijido 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^+, K^+-ATPase in Cultured Human Retinal Pigment Epithelial Cells Depends on Expression of the $_2$ 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-immunoflourescence 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,Cereijido M

Species Dog

Dilution Not Cited

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)