beta Catenin Monoclonal Antibody (9F2)

Product Details	
Size	100 µg
Species Reactivity	Human, Mouse
Published Species	Human, Mouse
Host/Isotype	Mouse / IgG1
Class	Monoclonal
Type	Antibody
Clone	9F2
Conjugate	Unconjugated
Immunogen	120 kDa MBP/beta catenin fusion protein purified on amylose column.
Form	Liquid
Concentration	1 mg/mL
Purification	Protein G
Storage buffer	PBS with 1mg/mL BSA
Contains	0.05% sodium azide
Storage conditions	-20° C, Avoid Freeze/Thaw Cycles
RRID	AB_326078

Applications	Tested Dilution	Publications
Western Blot (WB)	1-3 µg/mL	1 Publication
Immunocytochemistry (ICC/IF)	10 µg/mL	1 Publication
Immunoprecipitation (IP)	1 µg/mL	-
Miscellaneous PubMed (Misc)	-	2 Publications

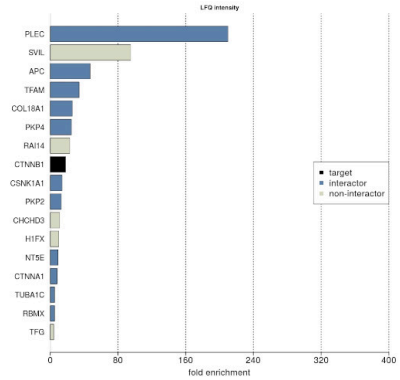
Product Specific Information

MA1-2001 detects beta catenin from human samples.

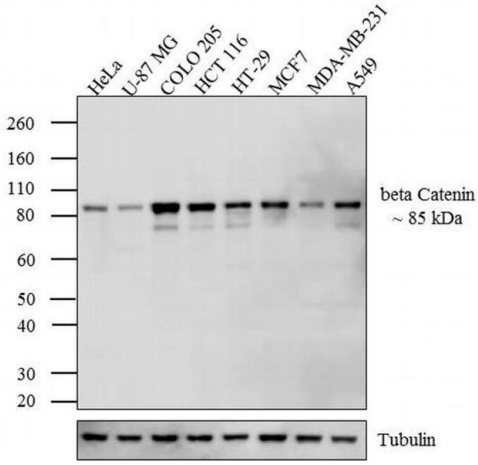
MA1-2001 has been successfully used in Western blot procedures. By Western blot, this antibody detects an ~94 kDa protein representing beta catenin from A431 cell extract. MA1-2001 can also be used in immunoprecipitation and immunofluorescence procedures.

The MA1-2001 immunogen is a 120 kDa MBP/ beta catenin fusion protein purified via an amylose column.

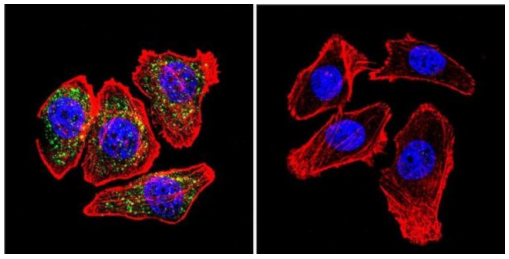
Product Images For beta Catenin Monoclonal Antibody (9F2)



beta Catenin Antibody (MA1-2001)
IP-MS enrichment of CTNNB1 (LFQ intensity): CTNNB1 was enriched 18-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 # MA1-2001). 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 (MA1-2001) in WB
Western blot analysis was performed on whole cell extracts (30 µg lysate) of HeLa (Lane 1), U-87 MG (Lane 2), COLO 205 (Lane 3), HCT 116 (lane 4), HT-29 (lane 5), MCF7 (lane 6), MDA-MB-231 (lane 7) and A549 (lane 8). The blots were probed with Anti-beta Catenin Mouse Monoclonal Antibody (Product # MA1-2001, 1-3 µg/mL) and detected by chemiluminescence using Goat anti-Mouse IgG (H+L) Secondary Antibody, HRP conjugate (Product # 62-6520, 1:4000 dilution). A 85 kDa band corresponding to beta Catenin was observed across cell lines tested. Known quantity of protein samples were electrophoresed using Novex® NuPAGE® 4-12 % Bis-Tris gel (Product # NP0322BOX), XCell SureLock™ Electrophoresis System (Product # EI0002) and Novex® Sharp Pre-Stained Protein Standard (Product # LC5800). Resolved proteins were then transferred onto a nitrocellulose membrane with iBlot® 2 Dry Blotting System (Product # IB21001). The membrane was probed with the relevant primary and secondary Antibody following blocking with 5 % skimmed milk. Chemiluminescent detection was performed using Pierce™ ECL Western Blotting Substrate (Product # 32106).



beta Catenin Antibody (MA1-2001) in ICC/IF
Immunofluorescent analysis of Beta-Catenin using Beta-Catenin Monoclonal antibody (9F2) (Product # MA1-2001) shows staining in U251 glioma cells. Beta-Catenin staining (green), F-Actin staining with Phalloidin (red) and nuclei with DAPI (blue) is shown. Cells were grown on chamber slides and fixed with formaldehyde prior to staining. Cells were probed without (control) or with or an antibody recognizing Beta-Catenin (Product # MA1-2001) at a dilution of 1:20 over night at 4 °C, washed with PBS and incubated with a DyLight-488 conjugated secondary antibody (Product # 35552 for GAR, Product # 35503 for GAM). Images were taken at 60X magnification.

View more figures on thermofisher.cn

4 References

Western Blot (1)

International journal of clinical and experimental pathology

microRNA-133b represses the progression of lung cancer through inhibiting SOX9/-catenin signaling pathway.

"MA1-2001 was used in Western Blotting to explore whether SOX9/b-catenin signaling is implicated in miR-133b-meditaed lung cancer repression."

Authors: Liu S,Li S,Yu X,Wang Q,Sun H

Year
2020

Species
Human

Immunocytochemistry (1)

Cell reports

Wnt Signaling Separates the Progenitor and Endocrine Compartments during Pancreas Development.

"MA1-2001 was used in Immunocytochemistry-immunoflourescence to observe that endocrine cells and their progenitors exist beside one another in separate compartments that activate distinct genetic pathways."

Authors: Sharon N,Vanderhooft J,Straubhaar J,Mueller J,Chawla R,Zhou Q,Engquist EN,Trapnell C,Gifford DK,Melton DA

Year
2019

Species
Mouse

Miscellaneous PubMed (2)

The Journal of biological chemistry

Identification of plakoglobin domains required for association with N-cadherin and alpha-catenin.

"MA1-2001 was used in immunocytochemistry and western blot to investigate the interaction of plakoglobin with N-cadherin and alpha catenin"

Authors: Sacco PA,McGranahan TM,Wheelock MJ,Johnson KR

Year
1995

The Journal of cell biology

Interaction of alpha-actinin with the cadherin/catenin cell-cell adhesion complex via alpha-catenin.

"MA1-2001 was used in immunoprecipitation and western blot to investigate the interaction between alpha-actinin and N-cadherin/catenin complex"

Authors: Knudsen KA,Soler AP,Johnson KR,Wheelock MJ

Year
1995