P-cadherin Monoclonal Antibody (6A9)

Product Details	
Size	100 µg
Species Reactivity	Human, Mouse
Published Species	Mouse, Human
Host/Isotype	Mouse / IgG1
Class	Monoclonal
Type	Antibody
Clone	6A9
Conjugate	Unconjugated
Immunogen	A431 trypsinized membranes.
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_2077774

Applications	Tested Dilution	Publications
Western Blot (WB)	1:100-1:1,000	2 Publications
Immunohistochemistry (Paraffin) (IHC (P))	-	1 Publication
Immunocytochemistry (ICC/IF)	10 µg/mL	-
Immunoprecipitation (IP)	Assay-dependent	-
Neutralization (Neu)	-	1 Publication

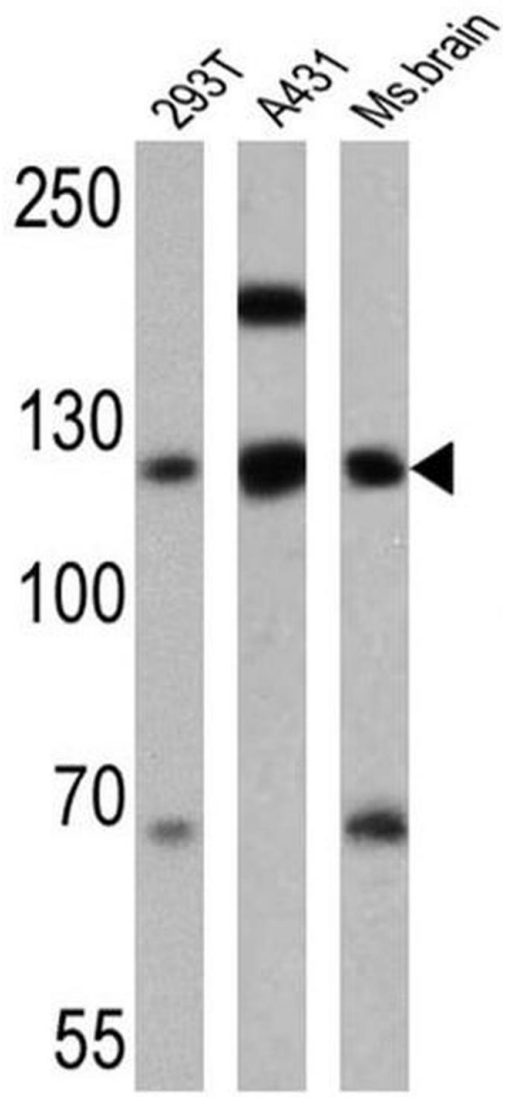
Product Specific Information

MA1-2003 detects P-cadherin from human and mouse samples.

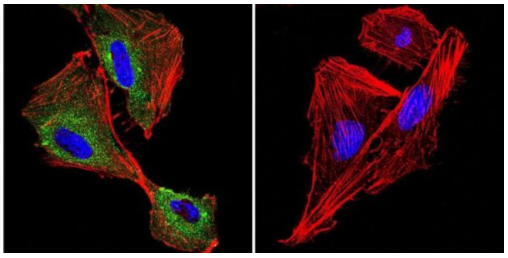
MA1-2003 has been successfully used in Western blot procedures. By Western blot, this antibody detects an ~120 kDa protein representing P-cadherin from A431 cell extract. MA1-2003 can also be used in immunoprecipitation and immunofluorescence procedures.

The MA1-2003 immunogen is A431 trypsinized membranes.

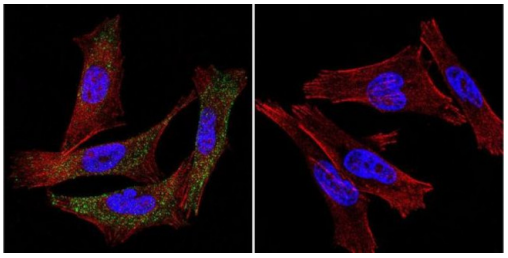
Product Images For P-cadherin Monoclonal Antibody (6A9)



P-cadherin Antibody (MA1-2003) in WB
Western blot analysis of Cadherin P was performed by loading 25 µg of 293T (lane 1), A431 (lane 2) and mouse brain (lane 3) onto an SDS polyacrylamide gel. Proteins were transferred to a PVDF membrane and blocked at 4ºC overnight. The membrane was probed with a Cadherin P monoclonal antibody (Product # MA1-2003) at a dilution of 1:500 overnight at 4°C, washed in TBST, and probed with an HRP-conjugated secondary antibody for 1 hr at room temperature in the dark. Chemiluminescent detection was performed using Pierce ECL Plus Western Blotting Substrate (Product # 32132). Results show a band at ~120 kDa.



P-cadherin Antibody (MA1-2003) in ICC/IF
Immunofluorescent analysis of placental Cadherin using Cadherin P Monoclonal Antibody (6A9) (Product # MA1-2003) shows staining in BEAS-2B Cells. Cadherin P (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 an antibody recognizing Cadherin P (Product # MA1-2003) 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.



P-cadherin Antibody (MA1-2003) in ICC/IF
Immunofluorescent analysis of placental Cadherin using Cadherin P Monoclonal Antibody (6A9) (Product # MA1-2003) shows staining in A2058 Cells. Cadherin P (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 an antibody recognizing Cadherin P (Product # MA1-2003) 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.com

4 References

Western Blot (2)

Developmental biology

Connexins, E-cadherin, Claudin-7 and -catenin transiently form junctional nexuses during the post-natal mammary gland development.

"MA1-2003 was used in western blot to assess the transiently formed junctional nexuses during post-natal mammary gland development by E-cadherins, connexins, beta-catenin, and claudin-7"

Authors: Dianati E,Poiraud J,Weber-Ouellette A,Plante I

Year
2016

Dilution
1:5000

Journal of cell science

Mechanism of extracellular domain-deleted dominant negative cadherins.

"MA1-2003 was used in western blot to investigate the functions of extracellular domain-deleted dominant-negative cadherin in cells"

Authors: Nieman MT,Kim JB,Johnson KR,Wheelock MJ

Year
1999

Species
Human

Immunohistochemistry (Paraffin) (1)

Frontiers in oncology

Breast tumor IGF1R regulates cell adhesion and metastasis: alignment of mouse single cell and human breast cancer transcriptomics.

"MA1-2003 was used in Immunohistochemistry (Paraffin) to find that reduced IGF1R signaling in tumor epithelial cells dysregulates cadherin expression resulting in reduced cell adhesion."

Authors: Obr AE,Bulatowicz JJ,Chang YJ,Ciliento V,Lemenze A,Maingrette K,Shang Q,Gallagher EJ,LeRoith D,Wood TL

Year
2023

Species
Mouse

Dilution
1:100

Neutralization (1)

Journal of cell science

Inhibition of cadherin function differentially affects markers of terminal differentiation in cultured human keratinocytes.

"MA1-2003 was used in blocking/activating experiment to investigate the effect of inhibition of cadherin function on keratinocyte differentiation"

Authors: Hines MD,Jin HC,Wheelock MJ,Jensen PJ

Year
1999

Species
Human

Dilution
2 µL ascites:mL