

Prohibitin Monoclonal Antibody (II-14-10)

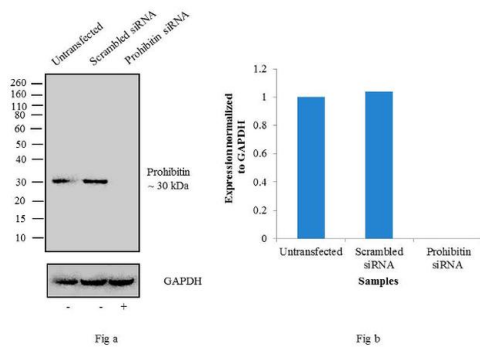
Product Details	
Size	500 µL
Species Reactivity	Chicken, Human, Mouse, Non-human primate, Pig, Rat
Published Species	Avian, Rat, Pig, Virus, Human, Mouse
Host/Isotope	Mouse / IgG1
Class	Monoclonal
Type	Antibody
Clone	II-14-10
Conjugate	Unconjugated
Immunogen	Purified recombinant rat prohibitin protein
Form	Liquid
Concentration	0.2 mg/mL
Purification	Protein G
Storage buffer	PBS, pH 7.4, with 0.2% BSA
Contains	0.09% sodium azide
Storage Conditions	4° C
RRID	AB_10980219

Applications	Tested Dilution	Publications
Immunofluorescence (IF)	Assay Dependent	-
Immunohistochemistry (Paraffin) (IHC (P))	2-4 µg/mL	2 Publications
Western Blot (WB)	0.5-1.0 µg/mL	40 Publications
ChIP assay (ChIP)	-	1 Publication
Flow Cytometry (Flow)	-	2 Publications
Immunocytochemistry (ICC)	-	2 Publications
Immunohistochemistry (IHC)	-	5 Publications
Immunoprecipitation (IP)	-	1 Publication

Product Specific Information

MA5-12858 targets Prohibitin in immunofluorescence, immunohistochemistry (paraffin), and Western blot applications and shows reactivity with Chicken, Human, mouse, Porcine, and Rat samples.

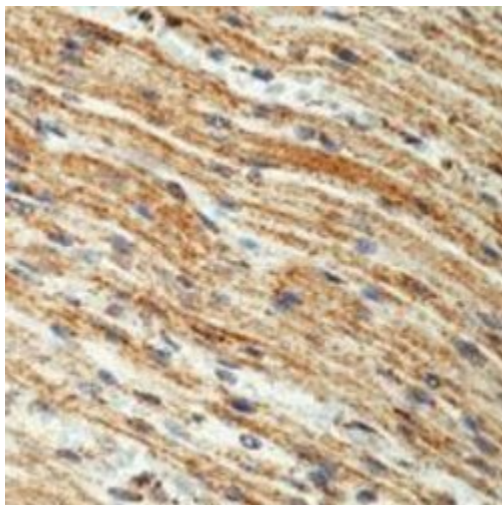
The MA5-12858 immunogen is purified recombinant rat prohibitin protein.



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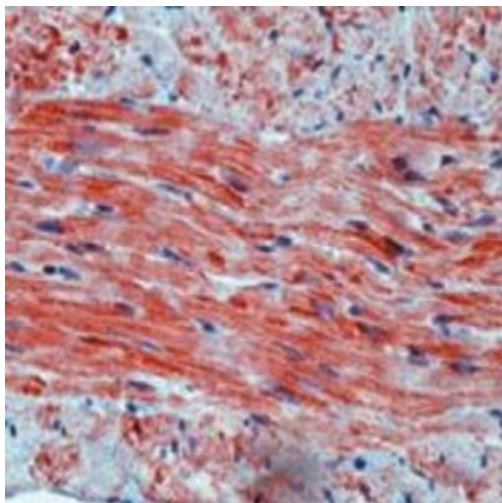
Antibody specificity was demonstrated by siRNA mediated knockdown of target protein. HEPG2 cells were transfected with Prohibitin siRNA and decrease in signal intensity was observed in western blot application using anti-Prohibitin siRNA (Product # MA5-12858). Knockdown validation info.

Product Images For Prohibitin Monoclonal Antibody (II-14-10)



Prohibitin Antibody (MA5-12858) in IHC

Formalin-fixed, paraffin-embedded human heart stained with Prohibitin antibody using peroxidase-conjugate and DAB chromogen.



Prohibitin Antibody (MA5-12858) in IHC

Immunohistochemical analysis of Prohibitin using a monoclonal antibody (Product # MA5-12858).

View more figures on thermofisher.com

Western Blot (40)

Journal of extracellular vesicles

Precipitation with polyethylene glycol followed by washing and pelleting by ultracentrifugation enriches extracellular vesicles from tissue culture supernatants in small and large scales.

"Published figure using Prohibitin monoclonal antibody (Product # MA5-12858) in Western Blot"

Authors: Ludwig AK, De Miroschedji K, Doeppner TR, Bürger V, Ruesing J, Rebmann V, Durst S, Jansen S, Bremer M, Behrmann E, Singer BB, Jastrow H, Kuhlmann JD, El Magraoui F, Meyer HE, Hermann DM, Opalka B, Raunser S, Eppe M, Horn PA, Giebel B

Species
Not Applicable

Dilution
Not Cited

Year
2019

The Journal of biological chemistry

The Pseudouridine Synthase RPUSD4 Is an Essential Component of Mitochondrial RNA Granules.

"MA5-12858 was used in western blot to identify components of mitochondrial RNA granules"

Authors: Zaganelli S, Rebelo-Guiomar P, Maundrell K, Rozanska A, Pierredon S, Powell CA, Jourdain AA, Hulo N, Lightowlers RN, Chrzanowska-Lightowlers ZM, Minczuk M, Martinou JC

Species
Human

Dilution
Not Cited

Year
2017

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

Immunohistochemistry (Paraffin) (2)

Oncogene

Targeting prohibitins with chemical ligands inhibits KRAS-mediated lung tumours.

"MA5-12858 was used in immunohistochemistry - paraffin section to show that PHB1 is highly expressed in non-small cell lung cancers patients and correlates with poor survival"

Authors: Yurugi H, Marini F, Weber C, David K, Zhao Q, Binder H, Désaubry L, Rajalingam K

Species
Human

Dilution
Not Cited

Year
2017

PloS one

Prohibitin expression deregulation in gastric cancer is associated with the 3' untranslated region 1630 C>T polymorphism and copy number variation.

"MA5-12858 was used in immunohistochemistry - paraffin section to study how the 3' UTR 1630 C T polymorphism and copy number variation are associated with Prohibitin expression deregulation in gastric cancer"

Authors: Leal MF, Cirilo PD, Mazzotti TK, Calcagno DQ, Wisnieski F, Demachki S, Martinez MC, Assumpção PP, Chammas R, Burbano RR, Smith MC

Species
Not Applicable

Dilution
1:100

Year
2015

More applications with references on thermofisher.com

IHC (5) Flow (2) IP (1) ICC (2) ChIP (1)

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