MARVELD2 Polyclonal Antibody

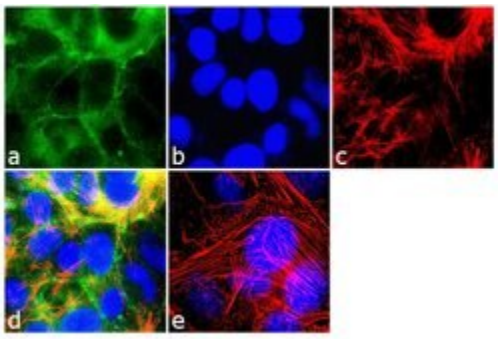
Product Details	
Size	100 µg
Species Reactivity	Human, Mouse, Rat
Published Species	Human, Mouse
Host/Isotope	Rabbit / IgG
Class	Polyclonal
Type	Antibody
Conjugate	Unconjugated
Immunogen	Recombinant protein derived from the C-terminal region of the human Tricellulin protein (Accession# NP_001033692, Q8N4S9), which is identical to rhesus monkey and chimpanzee sequences, and 89% homologous to rat and mouse, 88% homologous to bovine and canine, and 86% homologous to horse sequence
Form	Liquid
Concentration	0.25 mg/mL
Purification	Antigen affinity chromatography
Storage buffer	PBS, pH 7.4
Contains	0.1% sodium azide
Storage Conditions	Store at 4°C short term. For long term storage, store at -20°C, avoiding freeze/thaw cycles.
RRID	AB_2533851

Applications	Tested Dilution	Publications
Flow Cytometry (Flow)	3-5 µg/1x10^6 cells	-
Immunocytochemistry (ICC)	2-4 µg/mL	1 Publication
Immunofluorescence (IF)	2-4 µg/mL	3 Publications
Western Blot (WB)	1-3 µg/mL	4 Publications
Immunohistochemistry (IHC)	-	2 Publications
Immunoprecipitation (IP)	-	1 Publication

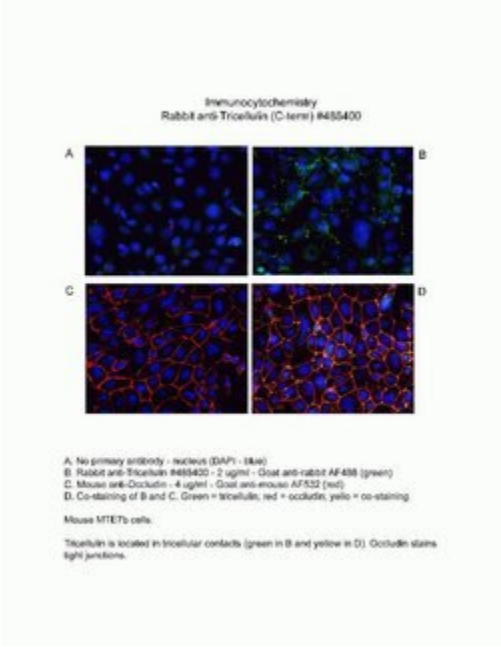
Product Specific Information

This antibody is specific for the Tricellulin/MARVELD-2 protein. On western blots, it identifies the target band at ~64 kDa. Reactivity has been confirmed with human Caco-2, dog MDCK, mouse IMCD-3 cells, and mouse kidney lysates by western blotting, and with mouse MTE7b cells by immunocytochemistry. Based on amino acid sequence homology, reactivity with Rhesus monkey, chimpanzee, rat, bovine, and horse is expected.

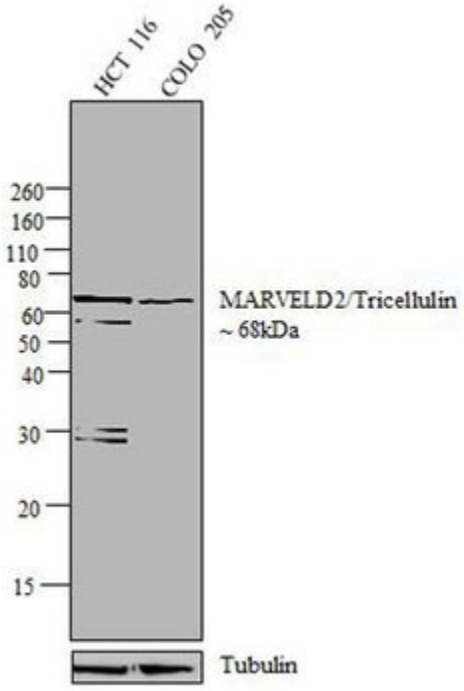
Product Images For MARVELD2 Polyclonal Antibody



MARVELD2 Antibody (48-8400) in IF
Immunofluorescence analysis of Marveld2/ Tricellulin was performed using 90% confluent log phase MCF-7 cells. The cells were fixed with 4% paraformaldehyde for 10 minutes, permeabilized with 0.1% Triton™ X-100 for 10 minutes, and blocked with 2% BSA for 1 hour at room temperature. The cells were labeled with MARVELD2 /Tricellulin Rabbit Polyclonal Antibody (Product # 48-8400) at 2 µg/mL in 0.1% BSA and incubated for 3 hours at room temperature and then labeled with Goat anti-Rabbit IgG (H+L) Superclonal™ Secondary Antibody, Alexa Fluor® 488 conjugate (Product # A27034) a dilution of 1:2000 for 45 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® 555 Rhodamine Phalloidin (Product # R415, 1:300). Panel d represents the merged image showing cell junctional localization. Panel e shows the no primary antibody control. The images were captured at 60X magnification.



MARVELD2 Antibody (48-8400) in IF
Immunofluorescent analysis of MARVELD2 using a polyclonal antibody (Product # 48-8400).



MARVELD2 Antibody (48-8400) in WB
Western blot analysis was performed on whole cell extracts (30 µg lysate) of HCT 116 (Lane 1) and COLO 205 (Lane 2). The blots were probed with Anti-MARVELD2 /Tricellulin Rabbit Polyclonal Antibody (Product # 48-8400, 1- 2 µg/mL) and detected by chemiluminescence Goat Anti-Rabbit IgG (H+L) Secondary Antibody, HRP conjugate (Product # G-21234, 1:5000 dilution). A 68 kDa band corresponding to MARVELD2/Tricellulin was observed across cell lines tested. Known quantity of protein samples were electrophoresed using Novex® NuPAGE® 4-12 % Bis-Tris gel (Product # NP0341BOX), 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).

View more figures on thermofisher.com

11 References

Western Blot (4)

Oncology letters

Downregulation of lipolysis-stimulated lipoprotein receptor promotes cell invasion via claudin-1-mediated matrix metalloproteinases in human endometrial cancer.

"Published figure using MARVELD2 polyclonal antibody (Product # 48-8400) in Western Blot"

Authors: Shimada H,Satohisa S,Kohno T,Konno T,Takano KI,Takahashi S,Hatakeyama T,Arimoto C,Saito T,Kojima T

Species
Human
Not Applicable

Dilution
Not Cited
Not Cited

Year
2017

Annals of the New York Academy of Sciences

Blood-spinal cord barrier breakdown and pericyte deficiency in peripheral neuropathy.

"Published figure using MARVELD2 polyclonal antibody (Product # 48-8400) in Western Blot"

Authors: Sauer RS,Kirchner J,Yang S,Hu L,Leinders M,Sommer C,Brack A,Rittner HL

Species
Not Applicable

Dilution
Not Cited

Year
2017

View more WB references on thermofisher.com

Immunocytochemistry (1)

Nature communications

Contractile forces at tricellular contacts modulate epithelial organization and monolayer integrity.

"488400 was used in immunocytochemistry and western blot to show that the absence of EpCAM in enterocytes results in an aberrant apical domain"

Authors: Salomon J,Gaston C,Magescas J,Duvauchelle B,Canioni D,Sengmanivong L,Mayeux A,Michaux G,Campeotto F,Lemale J,Viala J,Poirier F,Minc N,Schmitz J,Brousse N,Ladoux B,Goulet O,Delacour D

Species
Human
Not Applicable

Dilution
Not Cited
Not Cited

Year
2017

Immunofluorescence (3)

Nature communications

Contractile forces at tricellular contacts modulate epithelial organization and monolayer integrity.

"488400 was used in immunocytochemistry and western blot to show that the absence of EpCAM in enterocytes results in an aberrant apical domain"

Authors: Salomon J,Gaston C,Magescas J,Duvauchelle B,Canioni D,Sengmanivong L,Mayeux A,Michaux G,Campeotto F,Lemale J,Viala J,Poirier F,Minc N,Schmitz J,Brousse N,Ladoux B,Goulet O,Delacour D

Species
Human
Not Applicable

Dilution
Not Cited
Not Cited

Year
2017

View more IF references on thermofisher.com

More applications with references on thermofisher.com

IP (1) **IHC (2)**