

Ezrin Monoclonal Antibody (3C12)

Product Details	
Size	500 µL
Species Reactivity	Bovine, Hamster, Human, Marsupial, Mouse, Non-human primate, Rat
Published Species	Dog, Rat, Human, Mouse
Host/Isotype	Mouse / IgG1
Class	Monoclonal
Type	Antibody
Clone	3C12
Conjugate	Unconjugated
Immunogen	A recombinant fragment of human ezrin corresponding to aa 362-585
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_10979020

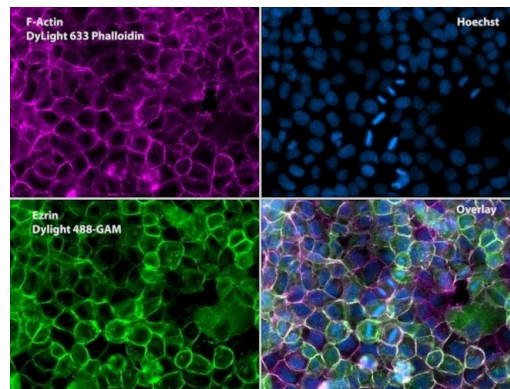
Applications	Tested Dilution	Publications
Western Blot (WB)	0.5-1.0 µg/mL	15 Publications
Immunohistochemistry (IHC)	-	24 Publications
Immunohistochemistry (Paraffin) (IHC (P))	1-2 µg/mL	7 Publications
Immunocytochemistry (ICC/IF)	1:50-1:200	8 Publications
Immunoprecipitation (IP)	2 µg/mL	1 Publication
in situ PLA (PLA)	-	1 Publication
Miscellaneous PubMed (Misc)	-	5 Publications

Product Specific Information

MA5-13862 targets Ezrin in IHC (P), ICC, IP, IF, and WB applications and shows reactivity with Bovine, Hamster, Human, Marsupial, mouse, Non-human primate, and Rat samples.

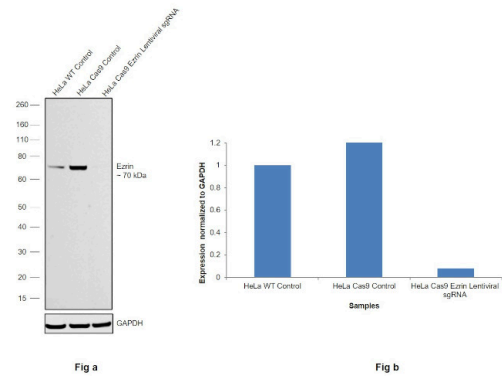
The MA5-13862 immunogen is a recombinant fragment of human ezrin corresponding to aa 362-585.

Product Images For Ezrin Monoclonal Antibody (3C12)



Ezrin Antibody (MA5-13862) in ICC/IF

Immunofluorescent analysis of Phalloidin (magenta) and Ezrin (green) in A431 cells. Formalin fixed cells were permeabilized with 0.1% Triton X-100 in PBS for 10 minutes at room temperature and blocked with 2% BSA (Product # 37525) in PBS + 0.1% Triton X-100 for 30 minutes at room temperature. Cells were probed with an Ezrin monoclonal antibody (Product # MA5-13862) at a dilution of 1:75 for at least 1 hour at room temperature, washed with PBS, and incubated with DyLight 488 goat anti-mouse IgG secondary antibody (Product # 35502) at a dilution of 1:250 for 30 minutes at room temperature. Actin was stained with DyLight 633 Phalloidin (Product # 21840) at a dilution of 1:120 (2.5units/mL final concentration) and nuclei (blue) were stained with Hoechst (Product # 62249) at a concentration of 1 µg/mL for 30 minutes. Images were taken on a Zeiss Axio Observer Z1 microscope at 20X magnification.

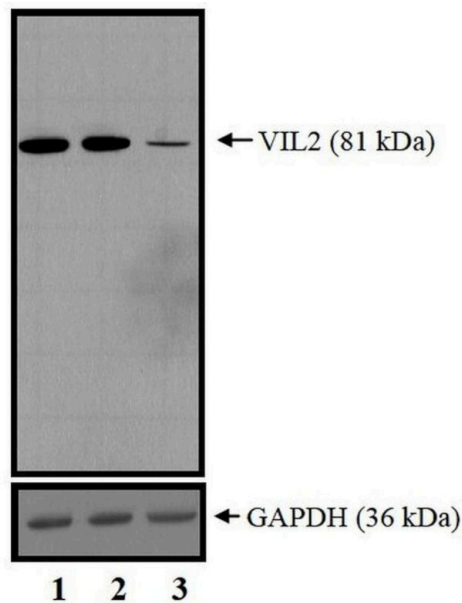


Ezrin Antibody (MA5-13862)

Antibody specificity was demonstrated by CRISPR-Cas9 mediated knockout of target protein. A loss of signal was observed for target protein in HeLa Cas9 cell line transduced with Ezrin Lentiviral sgRNA compared to control cell line using Anti-Ezrin Monoclonal Antibody (3C12) (Product # MA5-13862). {KO}

Ezrin Antibody (MA5-13862)

The specificity of anti-Ezrin monoclonal antibody (Product # MA5-13862) was demonstrated by siRNA knockdown. Western blot analysis of HeLa cell extracts using this antibody showed decreased level of Ezrin protein expression in cells transfected with Ezrin (VIL-2) specific siRNA (lane 3) but not in controls (lane 1 and 2). {KD}



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Western Blot (15)

<p>Cells</p> <p>Mechanism of Dyslipidemia in Obesity-Unique Regulation of Ileal Villus Cell Brush Border Membrane Sodium-Bile Acid Cotransport.</p> <p>"MA5-13862 was used in Western Blotting to demonstrate that in an epidemic condition, obesity, the dyslipidemia that leads to many of the complications of the condition, may, at least in part, be due to deregulation of intestinal bile acid absorption."</p> <p>Authors: Sundaram S,Palaniappan B,Nepal N,Chaffins S,Sundaram U,Arthur S</p>	<p>Year 2019</p> <p>Species Rat</p>
<p>Oncotarget</p> <p>CPI-17 drives oncogenic Ras signaling in human melanomas via Ezrin-Radixin-Moesin family proteins.</p> <p>"MA513862 was used in western blot to explore how C-kinase potentiated protein phosphatase-1 inhibitor of 17 kDa drives Ras activity and tumorigenesis"</p> <p>Authors: Riecken LB,Zoch A,Wiehl U,Reichert S,Scholl I,Cui Y,Ziemer M,Anderegg U,Hagel C,Morrison H</p>	<p>Year 2016</p> <p>Species Human</p>

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Immunohistochemistry (24)

<p>Cells</p> <p>Role of FGF and Hyaluronan in Choroidal Neovascularization in Sorsby Fundus Dystrophy.</p> <p>"Published figure using Ezrin monoclonal antibody (Product # MA5-13862) in Immunohistochemistry"</p> <p>Authors: Wolk A,Hatipoglu D,Cutler A,Ali M,Bell L,Hua Qi J,Singh R,Batoki J,Karle L,Bonilha VL,Wessely O,Stoehr H,Hascall V,Anand-Apte B</p>	<p>Year 2020</p> <p>Species Mouse</p>
<p>Pflugers Archiv : European journal of physiology</p> <p>The adenosine A2B receptor is involved in anion secretion in human pancreatic duct Capan-1 epithelial cells.</p> <p>"MA513862 was used in immunohistochemistry to find that adenosine A2B receptors on the luminal membranes of Capan-1 cells are the functional adenosine receptors and Cl(-) channels important for anion secretion"</p> <p>Authors: Hayashi M,Inagaki A,Novak I,Matsuda H</p>	<p>Year 2016</p> <p>Species Rat</p> <p>Dilution 1:400</p>

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- IHC (P) (7)
- ICC/IF (8)
- IP (1)
- PLA (1)
- Misc (5)

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