

DATASHEET

Ezrin Mouse Monoclonal Antibody(C2699)

CAT. NO. AMA02311

KEY FEATURES

| | | | |
|---------------|--|---------------|--------------|
| Target | Ezrin | Source / Host | Mouse |
| Reactivity | Human, Mouse, Monkey | Clonality | Monoclonal |
| Applications | WB, IF/ICC, FC | Conjugation | Unconjugated |
| Form / Buffer | Mouse IgG1. Liquid in PBS, pH 7.3, 30% glycerol, and 0.01% sodium azide. | Storage | at-20°C |

BACKGROUND

Probably involved in connections of major cytoskeletal structures to the plasma membrane. In epithelial cells, required for the formation of microvilli and membrane ruffles on the apical pole. Along with PLEKHG6, required for normal macropinocytosis.

APPLICATION

To ensure optimal assay performance, AREX recommends conducting reagent titration tailored to each testing system for optimal detection results.

| | |
|--------|----------------|
| WB | 1:500 - 1:1000 |
| IF/ICC | 1:50 - 1:200 |
| FC | 1:100 - 1:200 |

*Results are sample-specific. Please refer to your local assay conditions and test parameters for reference.

PRODUCT OVERVIEW

| | |
|-------------------|--|
| Description | Mouse monoclonal to Ezrin |
| Specificity | Recognizes endogenous levels of Ezrin protein |
| Antibody Type | Primary antibody |
| Immunogen | Recombinant fusion protein of human Ezrin expressed in E. Coli |
| Purification | This antibody is purified through a protein G column. |
| Molecular Weight | Predicted: 69 kD; Observed: 69 kD |
| Form/Buffer | Mouse IgG1. Liquid in PBS, pH 7.3, 30% glycerol, and 0.01% sodium azide. |
| Alternative Names | VIL2; Ezrin; Cytovillin; Villin-2; p81 |
| Gene Symbol | EZR |
| Entrez Gene | 7430(Human); 54319(Rat) |
| SwissProt | P15311(Human); P26040(Mouse) |

*AREX continuously optimizes our products. Webpage content may not reflect the latest updates. For inquiries, please contact info@arexbio.com or your local distributor.

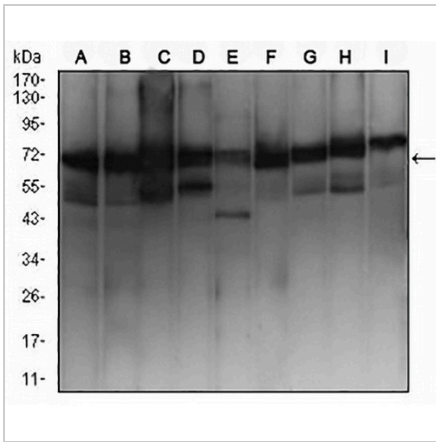
*Clone Number, Reactivity, Source/Host and Clonality can be found in the product name and Key Features section above.

DATASHEET

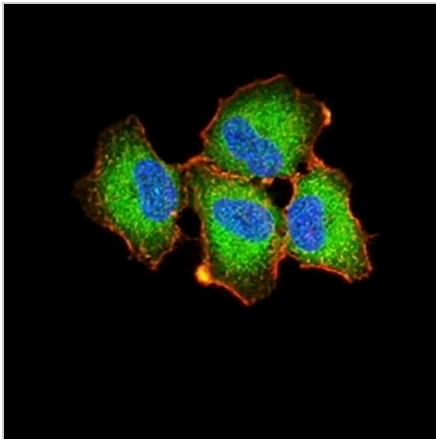
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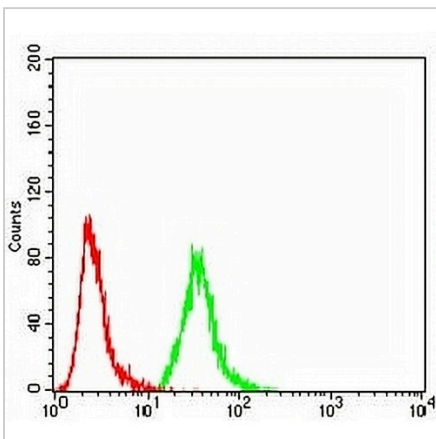
DATA



Western blot analysis of Ezrin expression in MCF7 (A), HeLa (B), A431 (C), HEK293 (D), SKNSH (E), Jurkat (F), HepG2 (G), NIH/3T3 (H), COS7 (I) whole cell lysates. (Predicted band size: 69 kD; Observed band size: 69 kD)



Immunofluorescent analysis of Ezrin staining in A549 cells. Formalin-fixed cells were permeabilized with 0.1% Triton X-100 in TBS for 5-10 minutes and blocked with 3% BSA-PBS for 30 minutes at room temperature. Cells were probed with the primary antibody in 3% BSA-PBS and incubated overnight at 4 °C in a humidified chamber. Cells were washed with PBST and incubated with an AREX® Fluor 488 -conjugated secondary antibody (green) in PBS at room temperature in the dark. Phalloidin - AREX® Fluor 594 was used to stain Actin filaments (red). DAPI was used to stain the cell nuclei (blue).



Flow cytometric analysis of MCF7 cells using Anti-Ezrin Antibody (green) and negative control (red).

STORAGE

Store at 4°C short term. For long term storage, store at -20°C, avoiding freeze/thaw cycles.

NOTE

For Research Use Only. Not for diagnostic, therapeutics, prophylactic or in vivo use.