




## Product datasheet

# Anti-Ezrin antibody [6F1A9] ab205381

6 Images

### Overview

<b>Product name</b>	Anti-Ezrin antibody [6F1A9]
<b>Description</b>	Mouse monoclonal [6F1A9] to Ezrin
<b>Host species</b>	Mouse
<b>Tested applications</b>	<b>Suitable for:</b> WB, Flow Cyt, ICC/IF
<b>Species reactivity</b>	<b>Reacts with:</b> Mouse, Human, African green monkey <b>Predicted to work with:</b> Rat, Rabbit, Cow 
<b>Immunogen</b>	Recombinant fragment corresponding to Human Ezrin aa 250-500. Expressed in E. Coli. Database link: <a href="#">P15311</a> <div style="text-align: right;">  <a href="#">Run BLAST with</a>  <a href="#">Run BLAST with</a> </div>
<b>Positive control</b>	Human Ezrin (AA: 292-464) recombinant protein; Ezrin (AA: 292-464)-hlgGfC transfected HEK293 cell lysate; MCF7, HeLa, A431, HEK293, SK N SH, Jurkat, HepG2, NIH 3T3 and COS7 cell lysates; A549 cells; MCF7 cells and HeLa cells.
<b>General notes</b>	<p>The Life Science industry has been in the grips of a reproducibility crisis for a number of years. Abcam is leading the way in addressing this with our range of recombinant monoclonal antibodies and knockout edited cell lines for gold-standard validation. Please check that this product meets your needs before purchasing.</p> <p>If you have any questions, special requirements or concerns, please send us an inquiry and/or contact our Support team ahead of purchase. Recommended alternatives for this product can be found below, along with publications, customer reviews and Q&amp;As</p>

### Properties

<b>Form</b>	Liquid
<b>Storage instructions</b>	Shipped at 4°C. Store at +4°C short term (1-2 weeks). Upon delivery aliquot. Store at -20°C long term. Avoid freeze / thaw cycle.
<b>Storage buffer</b>	Preservative: 0.05% Sodium azide Constituent: 99% PBS
<b>Purity</b>	Protein G purified
<b>Purification notes</b>	Purified from tissue culture supernatant.
<b>Clonality</b>	Monoclonal
<b>Clone number</b>	6F1A9

Isotype

IgG1

## Applications

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**The Abpromise guarantee** Our **Abpromise guarantee** covers the use of ab205381 in the following tested applications. The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
WB		1/500 - 1/2000. Predicted molecular weight: 69 kDa.
Flow Cyt		1/200 - 1/400.
ICC/IF		1/100 - 1/400.

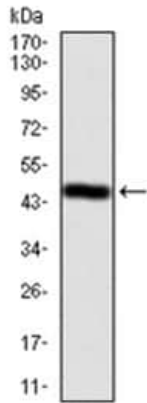
## Target

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<b>Function</b>	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.
<b>Tissue specificity</b>	Expressed in cerebral cortex, basal ganglia, hippocampus, hypophysis, and optic nerve. Weakly expressed in brain stem and diencephalon. Stronger expression was detected in gray matter of frontal lobe compared to white matter (at protein level). Component of the microvilli of intestinal epithelial cells. Preferentially expressed in astrocytes of hippocampus, frontal cortex, thalamus, parahippocampal cortex, amygdala, insula, and corpus callosum. Not detected in neurons in most tissues studied.
<b>Sequence similarities</b>	Contains 1 FERM domain.
<b>Developmental stage</b>	Very strong staining is detected in the Purkinje cell layer and in part of the molecular layer of the infant brain compared to adult brain.
<b>Post-translational modifications</b>	Phosphorylated by tyrosine-protein kinases.
<b>Cellular localization</b>	Apical cell membrane. Cell projection. Cell projection > microvillus membrane. Cell projection > ruffle membrane. Cytoplasm > cell cortex. Cytoplasm > cytoskeleton. Localization to the apical membrane of parietal cells depends on the interaction with MPP5. Localizes to cell extensions and peripheral processes of astrocytes (By similarity). Microvillar peripheral membrane protein.

## Images

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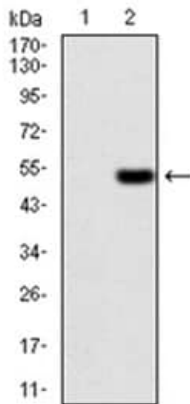


Western blot - Anti-Ezrin antibody [6F1A9]  
(ab205381)

Anti-Ezrin antibody [6F1A9] (ab205381) at 1/500 dilution + Human Ezrin (AA: 292-464) recombinant protein.

**Predicted band size:** 69 kDa

Expected MW is 47.1 kDa



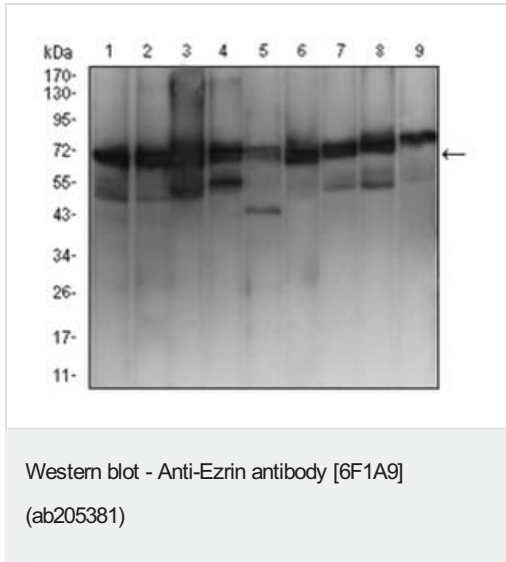
Western blot - Anti-Ezrin antibody [6F1A9]  
(ab205381)

**All lanes :** Anti-Ezrin antibody [6F1A9] (ab205381) at 1/500 dilution

**Lane 1 :** Non-transfected HEK293 cell lysate.

**Lane 2 :** Ezrin (AA: 292-464)-hlgGfc transfected HEK293 cell lysate.

**Predicted band size:** 69 kDa



**All lanes** : Anti-Ezrin antibody [6F1A9] (ab205381) at 1/500 dilution

**Lane 1** : MCF7 cell lysate

**Lane 2** : HeLa cell lysate

**Lane 3** : A431 cell lysate

**Lane 4** : HEK293 cell lysate

**Lane 5** : SK N SH cell lysate

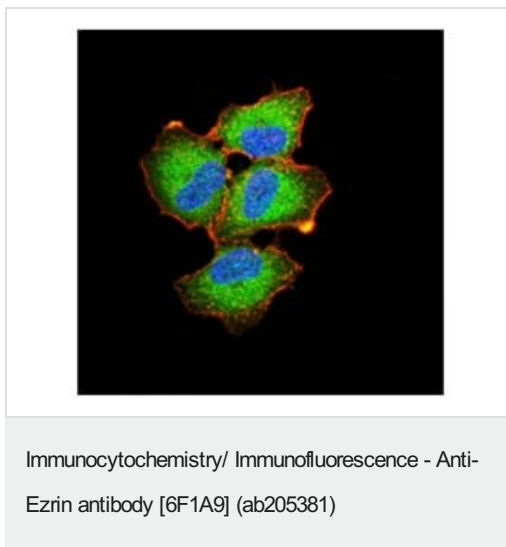
**Lane 6** : Jurkat cell lysate

**Lane 7** : HepG2 cell lysate

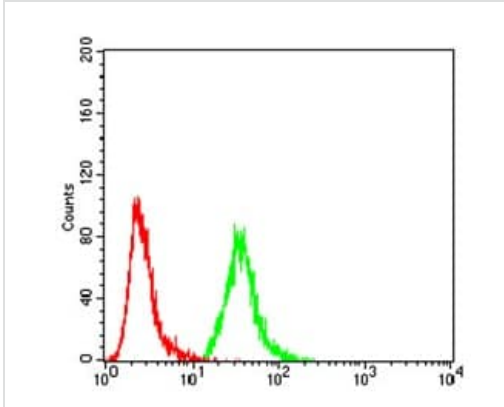
**Lane 8** : NIH 3T3 cell lysate

**Lane 9** : COS-7 cell lysate

**Predicted band size:** 69 kDa

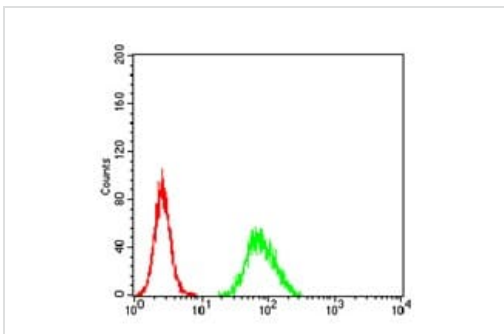


Immunofluorescent analysis of A549 cells labeling Ezrin using ab205381 at 1/100 dilution (green). Blue: DRAQ5 fluorescent DNA dye. Red: Actin filaments have been labeled with Alexa Fluor- 555 phalloidin.



Flow cytometric analysis of MCF7 cells labeling Ezrin using ab205381 at 1/200 dilution (green) and negative control (red).

Flow Cytometry - Anti-Ezrin antibody [6F1A9]  
(ab205381)



Flow cytometric analysis of HeLa cells labeling Ezrin using ab205381 at 1/200 dilution (green) and negative control (red).

Flow Cytometry - Anti-Ezrin antibody [6F1A9]  
(ab205381)

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