

## CFL1 Antibody (monoclonal) (M04)

Mouse monoclonal antibody raised against a full length recombinant CFL1.  
Catalog # AT1506a

### Product Information

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<b>Application</b>	WB, IHC, IF, E
<b>Primary Accession</b>	<a href="#">P23528</a>
<b>Other Accession</b>	<a href="#">BC011005</a>
<b>Reactivity</b>	Human, Mouse
<b>Host</b>	mouse
<b>Clonality</b>	monoclonal
<b>Isotype</b>	IgG2a Kappa
<b>Clone Names</b>	1A1
<b>Calculated MW</b>	18502

### Additional Information

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<b>Gene ID</b>	1072
<b>Other Names</b>	Cofilin-1, 18 kDa phosphoprotein, p18, Cofilin, non-muscle isoform, CFL1, CFL
<b>Target/Specificity</b>	CFL1 (AAH11005, 1 a.a. ~ 166 a.a) full-length recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.
<b>Dilution</b>	WB~~1:500~1000 IHC~~1:100~500 IF~~1:50~200 E~~N/A
<b>Format</b>	Clear, colorless solution in phosphate buffered saline, pH 7.2 .
<b>Storage</b>	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.
<b>Precautions</b>	CFL1 Antibody (monoclonal) (M04) is for research use only and not for use in diagnostic or therapeutic procedures.

### Background

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Cofilin is a widely distributed intracellular actin-modulating protein that binds and depolymerizes filamentous F-actin and inhibits the polymerization of monomeric G-actin in a pH-dependent manner. It is involved in the translocation of actin-cofilin complex from cytoplasm to nucleus.

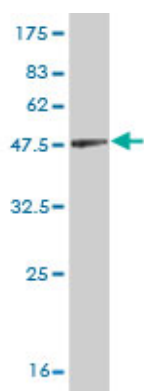
### References

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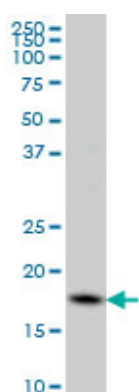
1.Determination of urine cofilin-1 level in acute kidney injury using a high-throughput localized surface plasmon-coupled fluorescence biosensor.Chang YF, Chao CH, Lin LY, Tsai CH, Chou C, Lee YJ Biomed Opt. 2014 Jan;19(1):11004. doi: 10.1117/1.JBO.19.1.011004.2.Identification of phosphorylated serine-15 and -82 residues of HSPB1 in 5-fluorouracil- resistant colorectal cancer cells by proteomics.Sakai A, Otani M,

Miyamoto A, Yoshida H, Furuya E, Tanigawa N. Journal of Proteomics (2011), doi: 10.1016/j.jprot.2011.09.0233. Overexpression of cofilin 1 can predict progression-free survival in patients with epithelial ovarian cancer receiving standard therapy. Nishimura S, Tsuda H, Kataoka F, Arao T, Nomura H, Chiyoda T, Susumu N, Nishio K, Aoki D. Hum Pathol. 2011 Jan 13. [Epub ahead of print]

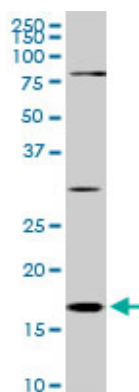
## Images



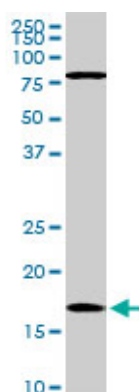
Antibody Reactive Against Recombinant Protein. Western Blot detection against Immunogen (44 KDa) .



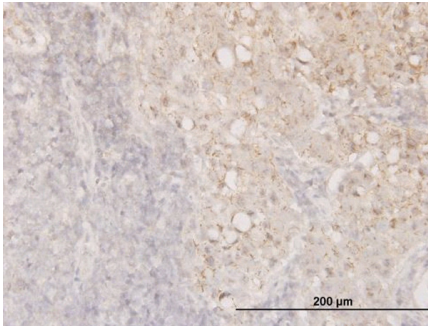
CFL1 monoclonal antibody (M04), clone 1A1 Western Blot analysis of CFL1 expression in HeLa ( (Cat # AT1506a )



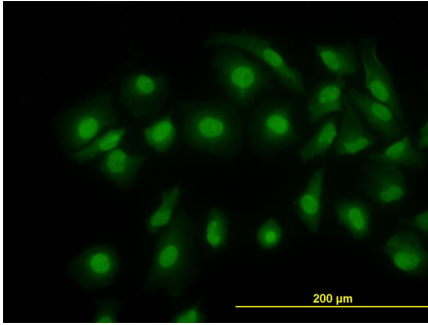
CFL1 monoclonal antibody (M04), clone 1A1. Western Blot analysis of CFL1 expression in Raw 264.7((Cat # AT1506a )



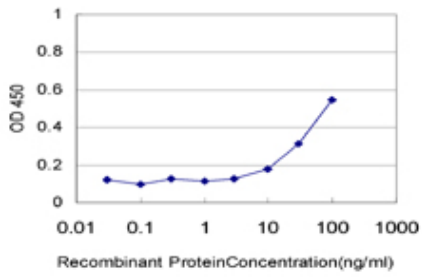
CFL1 monoclonal antibody (M04), clone 1A1. Western Blot analysis of CFL1 expression in NIH/3T3((Cat # AT1506a )



Immunoperoxidase of monoclonal antibody to CFL1 on formalin-fixed paraffin-embedded human breast cancer. [antibody concentration 1.5 ug/ml]



Immunofluorescence of monoclonal antibody to CFL1 on HeLa cell. [antibody concentration 10 ug/ml]



Detection limit for recombinant GST tagged CFL1 is approximately 10ng/ml as a capture antibody.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.