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CFL1 Antibody (monoclonal) (M04)

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

Specification

CFL1 Antibody (monoclonal) (M04) - Product Information

Application	**IF, WB, IHC, E**
Primary Accession	P23528
Other Accession	BC011005
Reactivity	**Human, Mouse**
Host	**mouse**
Clonality	**Monoclonal**
Isotype	**IgG2a Kappa**
Calculated MW	**18502**

CFL1 Antibody (monoclonal) (M04) - Additional Information

Gene ID 1072

Other Names
Cofilin-1, 18 kDa phosphoprotein, p18, Cofilin, non-muscle isoform, CFL1, CFL

Target/Specificity
CFL1 (AAH11005, 1 a.a. ~ 166 a.a) full-length recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.

Dilution
WB~~1:500~1000

Format
Clear, colorless solution in phosphate buffered saline, pH 7.2 .

Storage
Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

Precautions
CFL1 Antibody (monoclonal) (M04) is for research use only and not for use in diagnostic or therapeutic procedures.

CFL1 Antibody (monoclonal) (M04) - Protocols

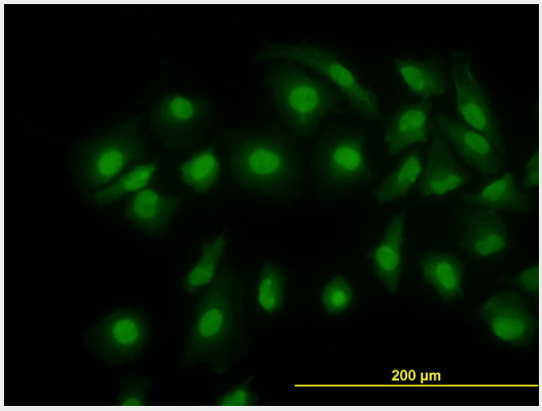
Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry

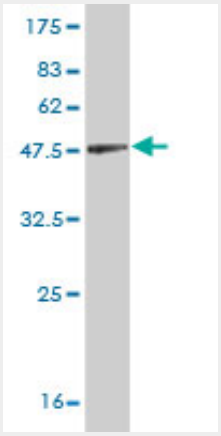
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- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

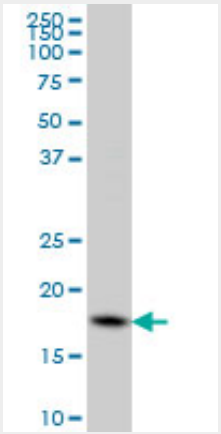
CFL1 Antibody (monoclonal) (M04) - Images



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

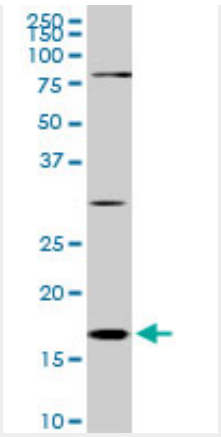


Antibody Reactive Against Recombinant Protein.Western Blot detection against Immunogen (44 KDa) .

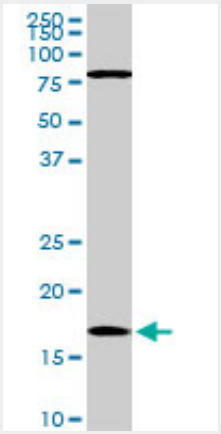


CFL1 monoclonal antibody (M04), clone 1A1 Western Blot analysis of CFL1 expression in HeLa ((Cat # AT1506a)

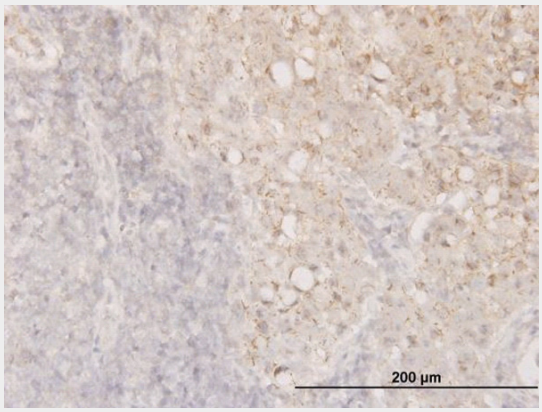
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CFL1 monoclonal antibody (M04), clone 1A1. Western Blot analysis of CFL1 expression in Raw 264.7((Cat # AT1506a)

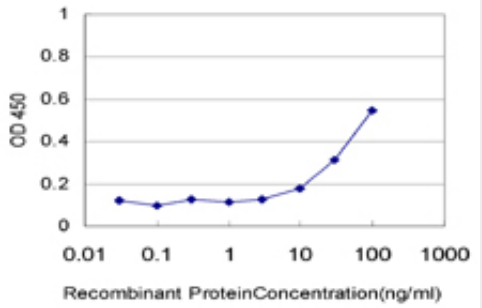


CFL1 monoclonal antibody (M04), clone 1A1. Western Blot analysis of CFL1 expression in NIH/3T3((Cat # AT1506a)



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

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

CFL1 Antibody (monoclonal) (M04) - Background

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.

CFL1 Antibody (monoclonal) (M04) - References

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 YJJ 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]