

Mouse anti-Human Cofilin 1 Monoclonal Antibody | anti-CFL1 antibody

Cofilin 1 antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA48042	Mouse	Human	Flow Cytometry, Functional Assay, Immunofluorescence, Immunocytochemistry, Western Blot, ELISA

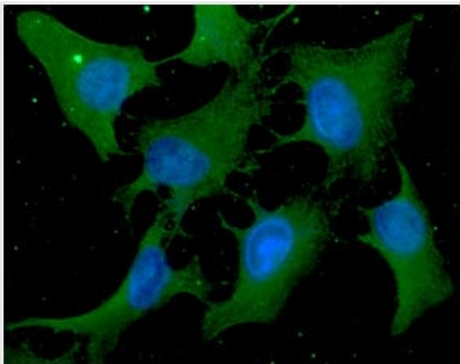
PRODUCT SYNONYMS

Cofilin 1; Monoclonal Antibody; Cofilin 1 antibody; CFL1 CFL 18 kDa phosphoprotein (p18); CFL1; CFL; 18 kDa phosphoprotein (p18) 18 kDa phosphoprotein; CFL 1; Cofilin 1 non muscle; Cofilin non muscle isoform; P18.; anti-CFL1 antibody

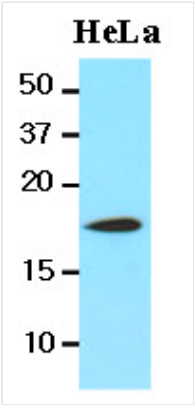
PRODUCT SPECIFICATIONS

Host	Mouse
Reactivity	Human
Clonality	Monoclonal
Isotype	IgG1, k
Clone Number	AT1C1
Purity/Purification	By protein-G affinity chromatography
Form/Format	Liquid. In phosphate-buffered saline (pH 7.4) with 0.02% Sodium Azide, 10% glycerol.
Concentration	1mg/ml (varies by lot)
Sequence Length	166
Applicable Applications for anti-CFL1 antibody	FCM/FACS (Flow Cytometry), IF (Immunofluorescence), ICC (Immunocytochemistry), WB (Western Blot), ELISA
Antigen Species	Human
Immunogen	Recombinant human Cofilin 1 (1-166aa) purified from E. coli
Clone Note	Anti-human Cofilin 1 mAb, clone AT1C1, is derived from hybridization of mouse F0 myeloma cells with spleen cells from BALB/c mice immunized with a recombinant human Cofilin 1 protein.
Preparation and Storage	Can be stored at 4 degree C. For long term storage, aliquot and store at -20 degree C. Avoid repeated freezing and thawing cycles.

IMAGES



IF (Immunofluorescence)
ICC/IF analysis of Cofilin1 in HeLa cells line, stained with DAPI (Blue) for nucleus staining and monoclonal anti-human Cofilin1 antibody (1:100) with goat anti-mouse IgG-Alexa fluor 488 conjugate (Green).



WB (Western Blot)
The lysates of HeLa (20ug) were resolved by SDS-PAGE, transferred to NC membrane and probed with anti-human Cofilin 1 (1:1000) antibody. Proteins were visualized using a goat anti-mouse secondary antibody conjugated to HRP and an ECL detection system.

ADDITIONAL INFORMATION

Related Product Information for anti-CFL1 antibody	Cofilin is a family of actin-binding proteins which disassembles actin filaments. It 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.
Product Categories/Family for anti-CFL1 antibody	Cytoskeleton
References	Mannherz H.G., et al. (2007) J Mol Biol 366 (3):745-755; Olsen J.V., et al. (2006) Cell 127 (3):635-648; Yang N., et al. (1998) Nature 393 (6687):809-812

NCBI AND UNIPROT INFORMATION

NCBI GI #	5031635
NCBI GeneID	1072
NCBI Accession #	NP_005498
NCBI GenBank Nucleotide #	NM_005507.2
UniProt Accession #	P23528; Q53Y87; Q9UCA2; B3KUQ1
Molecular Weight	18,502 Da
NCBI Official Full Name	cofilin-1
NCBI Official Synonym Full Names	cofilin 1
NCBI Official Symbol	CFL1
NCBI Official Synonym Symbols	CFL; cofilin; HEL-S-15
NCBI Protein Information	cofilin-1
UniProt Protein Name	Cofilin-1
UniProt Gene Name	CFL1
UniProt Synonym Gene Names	CFL; p18

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

