NKMAXBiO We support you, we believe in your research Human Cofilin 1/CFL1 antibody Catalog Number: ACO0927

## **PRODUCT INFORMATION**

Catalog number ACO0927

Clone No. AT1C1

Product type Monoclonal Antibody

**UnitProt No.** P23528

NCBI Accession No. NP\_005498

## Alternative Names 18 kDa phosphoprotein(p18), CFL, CFL1, Cofilin 1, Cofilin 1 non muscle, Cofilin non muscle isoform, P18

## **PRODUCT SPECIFICATION**

Antibody Host Mouse

Reacts With Human

Concentration 1mg/ml (determined by BCA assay)

# Formulation

Liquid in. Phosphate-Buffered Saline (pH 7.4) with 0.02% Sodium Azide, 10% glycerol

#### Immunogen

Recombinant human Cofilin 1 (1-166aa) purified from E. coli

# lsotype

lgG1 kappa

**Purification Note** By protein-G affinity chromatography

#### Application

ELISA, WB, ICC/IF

#### Usage

The antibody has been tested by ELISA, Western blot, ICC/IF and FACS analysis to assure specificity and reactivity. Since application varies, however, each investigation should be titrated by the reagent to obtain optimal results.



#### Storage

Can be stored at +2C to +8C for 1 week. For long term storage, aliquot and store at -20C to -80C. Avoid repeated freezing and thawing cycles.

### BACKGROUND

#### Description

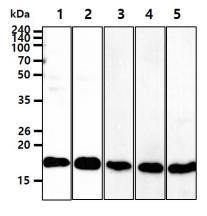
Cofilin is a family of actin-binding proteins which disassembles actin filaments. It is a widely distributed intracellular actin-modulating protein that binds and depolymerizes filamentous F-actin and inhibits the polymerization of monomeric G-actin in a pH-dependent manner. It is involved in the translocation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

#### **General 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.

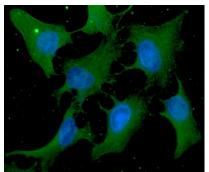
### DATA

#### Western blot analysis (WB)



The lysates (40ug) were resolved by SDS-PAGE, transferred to PVDF 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. Lane 1.: HeLa cell lysate Lane 2.: K562 cell lysate Lane 3.: MCF7 cell lysate Lane 4.: LnCap cell lysate Lane 5.: PC3 cell lysate

#### Immunocytochemistry/Immunofluorescence (ICC/IF)



ICC/IF analysis of Cofilin1 in HeLa cells. The cell was stained with ACO0927(1:100). The secondary antibody (green) was used Alexa Fluor 488. DAPI was stained the cell nucleus (blue).

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