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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

Isotype

IgG1 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.



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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

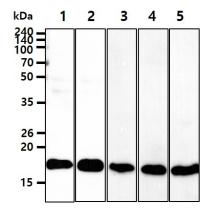
Cofilin is a family of actin-binding proteins which disassembles actin filaments. It is a widely distributed intracellular actin-modulating protein that binds and depolymerizes filamentous F-actin and inhibits the polymerization of monomeric G-actin in a pH-dependent manner. It is involved in the translocation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

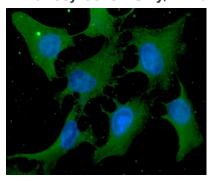
Western blot analysis (WB)



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).

