

Cofilin Rabbit monoclonal antibody

Catalog: MB66428

Host: Rabbit

Reactivity: Human

BackGround:

Cofilin and actin-depolymerization factor (ADF) are members of a family of essential conserved small actin-binding proteins that play pivotal roles in cytokinesis, endocytosis, embryonic development, stress response, and tissue regeneration. In response to stimuli, cofilin promotes the regeneration of actin filaments by severing preexisting filaments. The severing activity of cofilin is inhibited by LIMK or TESK phosphorylation at Ser3 of cofilin. Phosphorylation at Ser3 also regulates cofilin translocation from the nucleus to the cytoplasm.

Product:

Liquid in 50mM Tris-Glycine (pH 7.4), 0.15M NaCl, 50% Glycerol, 0.01% Sodium azide and 0.05% BSA.

Molecular Weight:

~ 19 kDa

Swiss-Prot:

P23528

Purification&Purity:

The antibody was purified by immunogen affinity chromatography.

Applications:

WB (1/500 - 1/1000), IHC (1/50 - 1/100), IF/ICC (1/50 - 1/100)

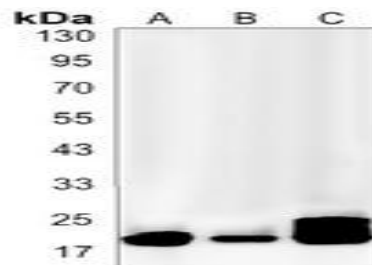
Storage&Stability:

Store at 4 °C short term. Aliquot and store at -20 °C long term. Avoid freeze-thaw cycles.

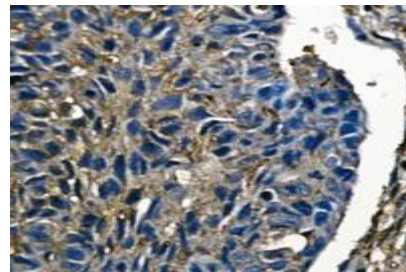
Specificity:

Recognizes endogenous levels of Cofilin protein.

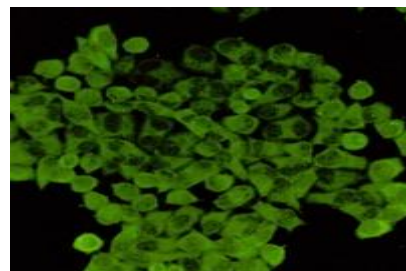
DATA:



Western blot analysis of Cofilin expression in A549 (A), MCF7 (B), 293T (C) whole cell lysates.



Immunohistochemical analysis of Cofilin staining in human lung cancer formalin fixed paraffin embedded tissue section. The section was pre-treated using heat mediated antigen retrieval with sodium citrate buffer (pH 6.94). The section was then incubated with the antibody at room temperature and detected using an HRP conjugated compact polymer system. DAB was used as the chromogen. The section was then counterstained with haematoxylin and mounted with DPX.



Immunofluorescent analysis of Cofilin staining in HeLa cells. Formalin-fixed cells were permeabilized with 0.1% Triton X-100 in TBS for 5-10 minutes and blocked with 3% BSA-PBS for 30 minutes at room temperature. Cells were probed with the primary antibody in 3% BSA-PBS and incubated overnight at 4 °C in a humidified chamber. Cells were washed with PBST and incubated with a AF488-conjugated sec-

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PRODUCT DATA SHEET

Bioworld Technology, Inc.

secondary antibody (green) in PBS at room temperature in the dark.

For research use only, not for use in diagnostic procedure.

Note:

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