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Anti-CFL1 / Cofilin Antibody (N-Terminus)
Rabbit Anti Human Polyclonal Antibody
Catalog # ALS18455

Specification

Anti-CFL1 / Cofilin Antibody (N-Terminus) - Product Information

Application	**WB, IHC-P, E**
Primary Accession	P23528
Predicted	**Human, Mouse**
Host	**Rabbit**
Clonality	**Polyclonal**
Calculated MW	**18502**

Anti-CFL1 / Cofilin Antibody (N-Terminus) - Additional Information

Gene ID 1072

Alias Symbol	**CFL1**

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

Target/Specificity
Endogenous levels of human and mouse cofilin protein. It is predicted to react with cynomolgus monkey, sheep, pig, and rat cofilin protein according to sequence homology.

Reconstitution & Storage
Immunoaffinity purified

Precautions
Anti-CFL1 / Cofilin Antibody (N-Terminus) is for research use only and not for use in diagnostic or therapeutic procedures.

Anti-CFL1 / Cofilin Antibody (N-Terminus) - Protein Information

Name CFL1

Synonyms CFL

Function
Binds to F-actin and exhibits pH-sensitive F-actin depolymerizing activity (PubMed:11812157). In conjunction with the subcortical maternal complex (SCMC), plays an essential role for zygotes to progress beyond the first embryonic cell divisions via regulation of actin dynamics (PubMed:15580268). Required for the centralization of the mitotic spindle and symmetric division of zygotes (By similarity). Plays a role in the regulation of cell morphology and cytoskeletal organization in epithelial cells (PubMed:21834987). Required for the up-regulation of atypical chemokine receptor ACKR2 from endosomal

compartment to cell membrane, increasing its efficiency in chemokine uptake and degradation (PubMed:23633677). Required for neural tube morphogenesis and neural crest cell migration (By similarity).

Cellular Location
Nucleus matrix. Cytoplasm, cytoskeleton. Cell projection, ruffle membrane; Peripheral membrane protein; Cytoplasmic side. Cell projection, lamellipodium membrane; Peripheral membrane protein; Cytoplasmic side. Cell projection, lamellipodium {ECO:0000250|UniProtKB:P18760}. Cell projection, growth cone {ECO:0000250|UniProtKB:P18760}. Cell projection, axon {ECO:0000250|UniProtKB:P18760}. Note=Colocalizes with the actin cytoskeleton in membrane ruffles and lamellipodia. Detected at the cleavage furrow and contractile ring during cytokinesis. Almost completely in nucleus in cells exposed to heat shock or 10% dimethyl sulfoxide

Tissue Location
Widely distributed in various tissues.

Anti-CFL1 / Cofilin Antibody (N-Terminus) - Protocols

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

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

Anti-CFL1 / Cofilin Antibody (N-Terminus) - Images