

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
Dilution	WB~~1:1000 IHC-P~~N/A E~~N/A

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 Cytometry](#)
- [Cell Culture](#)

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