

**Cofilin Rabbit mAb**  
**Catalog # AP76446****Specification**

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**Cofilin Rabbit mAb - Product Information**

Application	WB, IHC, IF
Primary Accession	<a href="#">P23528</a>
Reactivity	Human
Host	Rabbit
Clonality	Monoclonal Antibody
Calculated MW	18502

**Cofilin Rabbit mAb - Additional Information****Gene ID** 1072**Other Names**  
CFL1**Dilution**  
WB~~1/500-1/1000  
IHC~~1/50-1/100  
IF~~1/50-1/200**Format**  
Liquid**Cofilin Rabbit mAb - Protein Information****Name** CFL1**Synonyms** CFL**Function**

Binds to F-actin and exhibits pH-sensitive F-actin depolymerizing activity (PubMed:<a href="http://www.uniprot.org/citations/11812157" target="\_blank">11812157</a>). 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:<a href="http://www.uniprot.org/citations/15580268" target="\_blank">15580268</a>). 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:<a href="http://www.uniprot.org/citations/21834987" target="\_blank">21834987</a>). 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:<a href="http://www.uniprot.org/citations/23633677" target="\_blank">23633677</a>). 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.

#### Cofilin Rabbit mAb - 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](#)

#### Cofilin Rabbit mAb - Images



