

Cofilin Rabbit mAb

Catalog # AP76446

Product Information

Application	WB, IHC-P, IHC-F, ICC
Primary Accession	P23528
Reactivity	Human
Host	Rabbit
Clonality	Monoclonal Antibody
Calculated MW	18502

Additional Information

Gene ID	1072
Other Names	CFL1
Dilution	WB~~1/500-1/1000 IHC-P~~N/A IHC-F~~N/A ICC~~N/A
Format	Liquid

Protein Information

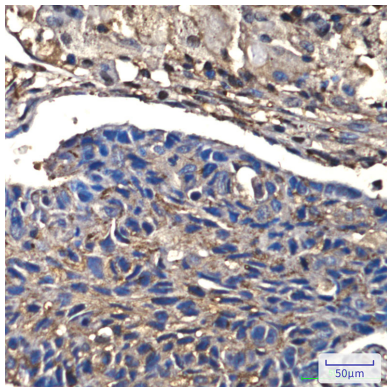
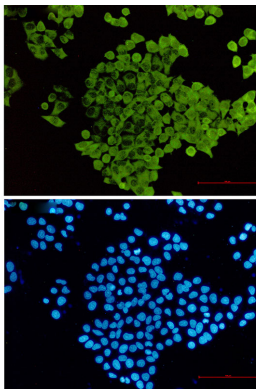
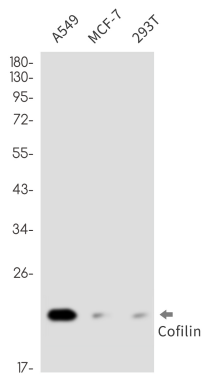
Name	CFL1
Synonyms	CFL
Function	Binds to F-actin and exhibits pH-sensitive F-actin depolymerizing activity (PubMed: 11812157). In conjunction with the subcortical maternal complex (SCMC), plays an essential role for zygotes to progress beyond the first embryonic cell divisions via regulation of actin 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.

Images



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