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Anti-CFL1 / Cofilin Antibody (N-Terminus)

Rabbit Anti Human Polyclonal Antibody
Catalog # ALS18455

Product Information

Application	WB, IHC-P, E
Primary Accession	P23528
Predicted	Human, Mouse
Host	Rabbit
Clonality	Polyclonal
Calculated MW	18502
Concentration (mg/ml)	0.5 mg/ml

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.

Protein Information

Name	CFL1
Synonyms	CFL
Function	Binds to F-actin and exhibits pH-sensitive F-actin depolymerizing activity (PubMed:11812157, PubMed:33670794). 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. 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.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.