

Rabbit Cofilin Polyclonal Antibody | anti-CFL2 antibody

Cofilin Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA321226	Rabbit	Human, Mouse, Rat	ELISA, Immunocytochemistry, Immunofluorescence, Western Blot

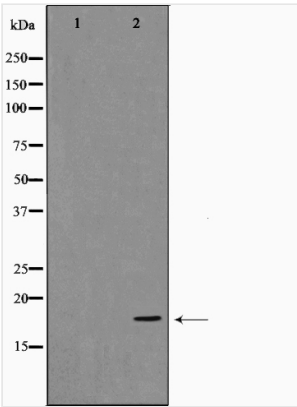
PRODUCT SYNONYMS

Cofilin; Polyclonal Antibody; Cofilin Antibody; CFL 2; CFL2; COF2_HUMAN; Cofilin 2 muscle; Cofilin muscle; Cofilin muscle isoform; Cofilin-2; Cofilin2; muscle isoform; NEM 7; NEM7; 18 kDa phosphoprotein; CFL 1; CFL; CFL1; COF1_HUMAN; Cofilin 1; Cofilin 1 non muscle; Cofilin non muscle isoform; Cofilin-1; epididymis secretory protein Li 15; HEL-S-15; non-muscle isoform; p18; anti-CFL2 antibody

PRODUCT SPECIFICATIONS

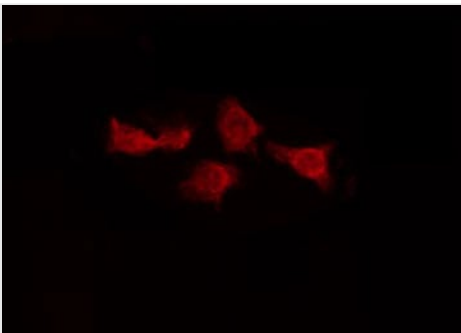
Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	IgG
Specificity	Cofilin antibody detects endogenous levels of Cofilin
Purity/Purification	The antiserum was purified by peptide affinity chromatography using SulfoLink Coupling Resin.
Form/Format	Liquid Phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Concentration	1mg/ml (varies by lot)
Sequence Length	149
Applicable Applications for anti-CFL2 antibody	ELISA, ICC (Immunocytochemistry), IF (Immunofluorescence), WB (Western Blot)
Immunogen	A synthesized peptide derived from human Cofilin
Subcellular Location	Nucleus Matrix. Cytoplasm > Cytoskeleton.
Tissue Specificity	Isoform CFL2b is expressed predominantly in skeletal muscle and heart. Isoform CFL2a is expressed in various tissues.
Predicted Cross Reactivity	Pig, Zebrafish, Bovine, Horse, Sheep, Rabbit, Dog, Chicken, Xenopus
Similarity	Pig (100%), Zebrafish (100%), Bovine (100%), Horse (100%), Sheep (100%), Rabbit (100%), Dog (100%), Chicken (100%), Xenopus (100%)
Conjugation	Unconjugated
Preparation and Storage	Store at -20 degree C. Stable for 12 months from date of receipt.

IMAGES



WB (Western Blot)

Western blot analysis on Jurkat cell lysate using Cofilin Antibody. The lane on the left is treated with the antigen-specific peptide.



IF (Immunofluorescence)

AAA321226 staining HeLa by IF/ICC. The sample were fixed with PFA and permeabilized in 0.1% Triton X-100, then blocked in 10% serum for 45 minutes at 25 degree C. The primary antibody was diluted at 1/200 and incubated with the sample for 1 hour at 37 degree C. An Alexa Fluor 594 conjugated goat anti-rabbit IgG (H+L) Ab, diluted at 1/600, was used as the secondary antibody.

ADDITIONAL INFORMATION

Related Product Information for anti-CFL2 antibody	Description: Cofilin 1 a cytoskeletal protein that controls actin depolymerization. Has a 5-10-fold higher affinity for ATP-actin monomers than cofilin-1. May promote filament assembly rather than disassembly. Two alternatively spliced variants are described. Function: Controls reversibly actin polymerization and depolymerization in a pH-sensitive manner. Its F-actin depolymerization activity is regulated by association with CSRP3 (PubMed:19752190). It has the ability to bind G- and F-actin in a 1:1 ratio of cofilin to actin. It is the major component of intranuclear and cytoplasmic actin rods. Required for muscle maintenance. May play a role during the exchange of alpha-actin forms during the early postnatal remodeling of the sarcomere (By similarity). Subunit Structure: Interacts with CSRP3; possibly two molecules of CFL2 can interact with one molecule if CSRP3. Post-translational Modifications: The phosphorylation of Ser-24 may prevent recognition of the nuclear localization signal. Similarity: Belongs to the actin-binding proteins ADF family.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	343887344
NCBI GeneID	1073
NCBI Accession #	NP_001230574.1
NCBI GenBank Nucleotide #	NM_001243645.1
UniProt Accession #	Q9Y281; G3V5P4
Molecular Weight	Observed: 19 kDa Predicted: 19 kDa
NCBI Official Full Name	cofilin-2 isoform 2
NCBI Official Synonym Full Names	cofilin 2
NCBI Official Symbol	CFL2
NCBI Official Synonym Symbols	NEM7
NCBI Protein Information	cofilin-2
UniProt Protein Name	Cofilin-2
UniProt Gene Name	CFL2

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/cofilin-antibody-immunocytochemistry-immunofluorescence-western-blot-elisa/321226>