

**CFL2 Antibody (C-term)**  
**Purified Rabbit Polyclonal Antibody (Pab)**  
**Catalog # AP20625c****Specification**

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**CFL2 Antibody (C-term) - Product Information**

Application	IF, WB,E
Primary Accession	<a href="#">Q9Y281</a>
Other Accession	<a href="#">Q5XHH8</a> , <a href="#">Q5G6V9</a> , <a href="#">P45591</a> , <a href="#">P21566</a> , <a href="#">Q148F1</a>
Reactivity	Human, Mouse
Predicted	Bovine, Chicken, Pig, Xenopus
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Calculated MW	18737

**CFL2 Antibody (C-term) - Additional Information****Gene ID** 1073**Other Names**

Cofilin-2, Cofilin, muscle isoform, CFL2

**Target/Specificity**

This CFL2 antibody is generated from a rabbit immunized with a KLH conjugated synthetic peptide between 130-144 amino acids from the C-terminal region of human CFL2.

**Dilution**

IF~~1:25

WB~~1:1000

E~~Use at an assay dependent concentration.

**Format**

Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.

**Storage**

Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

**Precautions**

CFL2 Antibody (C-term) is for research use only and not for use in diagnostic or therapeutic procedures.

**CFL2 Antibody (C-term) - Protein Information****Name** CFL2

**Function** Controls reversibly actin polymerization and depolymerization in a pH-sensitive manner. Its F-actin depolymerization activity is regulated by association with CSPR3 (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).

**Cellular Location**

Nucleus matrix. Cytoplasm, cytoskeleton. Note=Colocalizes with CSPR3 in the Z line of sarcomeres.

**Tissue Location**

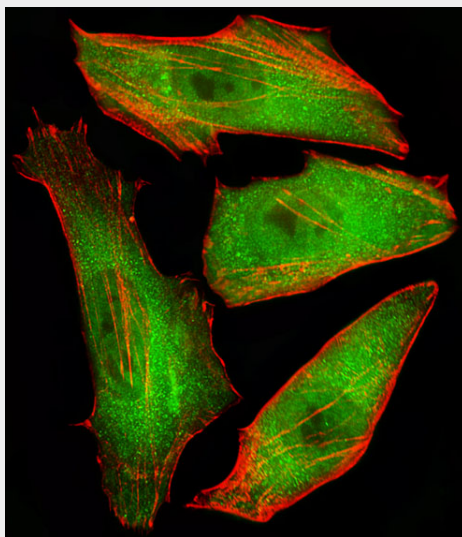
Isoform CFL2b is expressed predominantly in skeletal muscle and heart. Isoform CFL2a is expressed in various tissues

**CFL2 Antibody (C-term) - Protocols**

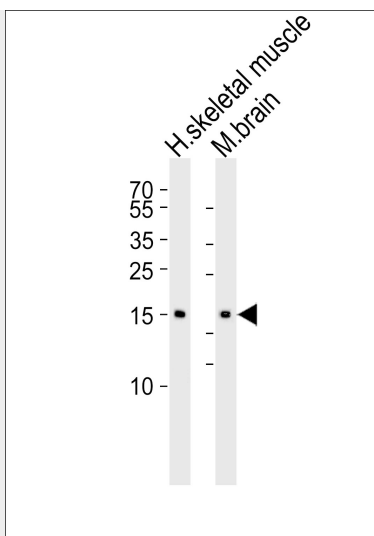
Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

**CFL2 Antibody (C-term) - Images**



Fluorescent image of HeLa cells stained with CFL2 Antibody (C-term)(Cat#AP20625c). AP20625c was diluted at 1:25 dilution. An Alexa Fluor 488-conjugated goat anti-rabbit IgG at 1:400 dilution was used as the secondary antibody (green). Cytoplasmic actin was counterstained with Alexa Fluor® 555 conjugated with Phalloidin (red).



Western blot analysis of lysates from human skeletal muscle and mouse brain tissue lysate (from left to right), using CFL2 Antibody (C-term) (Cat. #AP20625c). AP20625c was diluted at 1:1000 at each lane. A goat anti-rabbit IgG H&L (HRP) at 1:5000 dilution was used as the secondary antibody. Lysates at 35ug per lane.

#### **CFL2 Antibody (C-term) - Background**

Controls reversibly actin polymerization and depolymerization in a pH-sensitive manner. 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 (By similarity).

#### **CFL2 Antibody (C-term) - References**

Jin J., et al. Submitted (MAR-1999) to the EMBL/GenBank/DDBJ databases.  
Thirion C., et al. Eur. J. Biochem. 268:3473-3482(2001).  
Heilig R., et al. Nature 421:601-607(2003).  
Mural R.J., et al. Submitted (SEP-2005) to the EMBL/GenBank/DDBJ databases.  
Bienvenut W.V., et al. Submitted (MAR-2008) to UniProtKB.