

**CFL2 Antibody (C-term)**  
**Purified Rabbit Polyclonal Antibody (Pab)**  
**Catalog # AW5036**

**Specification**

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

Application	IF, WB,E
Primary Accession	<a href="#">O9Y281</a>
Other Accession	<a href="#">O5XHH8</a> , <a href="#">O5G6V9</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
Calculated MW	H=19,17;M=19 KDa
Isotype	Rabbit IgG
Antigen Source	HUMAN

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

**Gene ID** 1073

**Antigen Region**  
130-144

**Other Names**  
Cofilin-2, Cofilin, muscle isoform, CFL2

**Dilution**  
IF~~1:25  
WB~~1:1000

**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.

**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:<a href="http://www.uniprot.org/citations/19752190" target="\_blank">19752190</a>). 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.

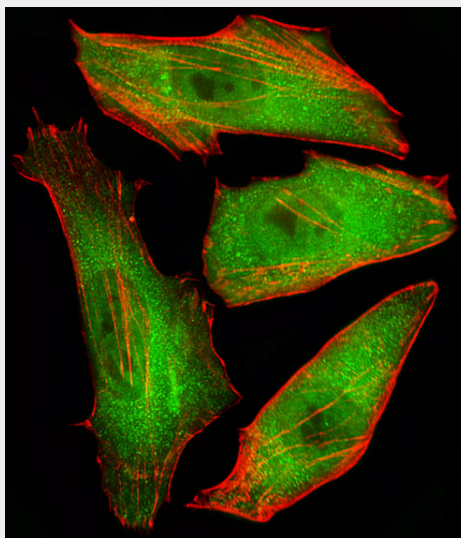
**Tissue Location**

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

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

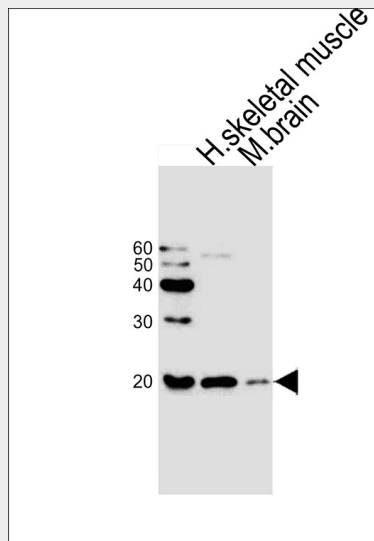
Provided below are standard protocols that you may find useful for product applications.

- [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#AW5036). AW5036 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. #AW5036). AW5036 was diluted at 1:1000 at each lane. A goat anti-rabbit IgG H&L(HRP) at 1:10000 dilution was used as the secondary antibody.

#### **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.