

**CFL2 / Cofilin 2 Antibody (C-Terminus)**  
**Goat Polyclonal Antibody**  
**Catalog # ALS15776****Specification**

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**CFL2 / Cofilin 2 Antibody (C-Terminus) - Product Information**

Application	IHC, WB
Primary Accession	<a href="#">O9Y281</a>
Reactivity	Human, Mouse, Rat, Hamster, Monkey, Pig, Chicken, Horse, Bovine, Dog
Host	Goat
Clonality	Polyclonal
Calculated MW	19kDa KDa

**CFL2 / Cofilin 2 Antibody (C-Terminus) - Additional Information****Gene ID** 1073**Other Names**

Cofilin-2, Cofilin, muscle isoform, CFL2

**Target/Specificity**

Human CFL2. This antibody is expected to recognise both reported isoforms (NP\_068733 and NP\_619579)

**Reconstitution & Storage**

Store at -20°C. Minimize freezing and thawing.

**Precautions**

CFL2 / Cofilin 2 Antibody (C-Terminus) is for research use only and not for use in diagnostic or therapeutic procedures.

**CFL2 / Cofilin 2 Antibody (C-Terminus) - 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

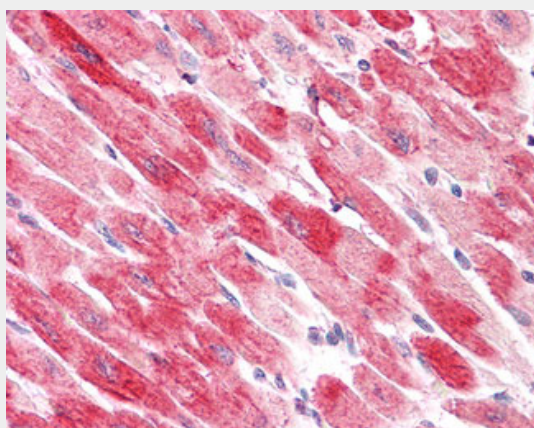
Isoform CFL2b is expressed predominantly in skeletal muscle and heart. Isoform CFL2a is expressed in various tissues

### CFL2 / Cofilin 2 Antibody (C-Terminus) - 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 / Cofilin 2 Antibody (C-Terminus) - Images



Anti-CFL2 / Cofilin 2 antibody IHC staining of human heart.



(0.003 ug/ml) Staining of Human Muscle lysate (35 ug protein in RIPA buffer).

### CFL2 / Cofilin 2 Antibody (C-Terminus) - 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 / Cofilin 2 Antibody (C-Terminus) - 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.