

CFL2 / Cofilin 2 Antibody (C-Terminus)

Goat Polyclonal Antibody Catalog # ALS15776

Specification

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

Application WB, IHC-P, E
Primary Accession O9Y281

Reactivity Human, Mouse, Rat, Hamster, Monkey, Pig,

Chicken, Horse, Bovine, Dog

Host
Clonality
Polyclonal
Calculated MW
Dilution
Polyclonal
19kDa KDa
WB~~1:1000
IHC-P~~N/A

 $E\sim\sim N/A$

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: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

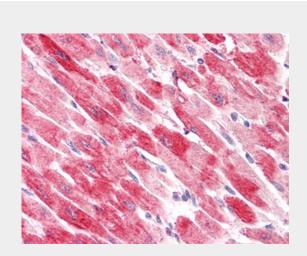
Isoform CFL2b is expressed predominantly in skeletal muscle and heart. Isoform CFL2a is expressed in various tissues

CFL2 / 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 Cytomety
- Cell Culture

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



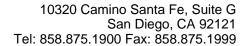
Anti-CFL2 / Cofilin 2 antibody IHC staining of human heart.



(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.