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CFL2 Antibody (C-term)

Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AW5036

Specification

CFL2 Antibody (C-term) - Product Information

Application	**IF, WB,E**
Primary Accession	Q9Y281
Other Accession	Q5XHH8, Q5G6V9, P45591, P21566, Q148F1
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: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 Cytomety
- 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®

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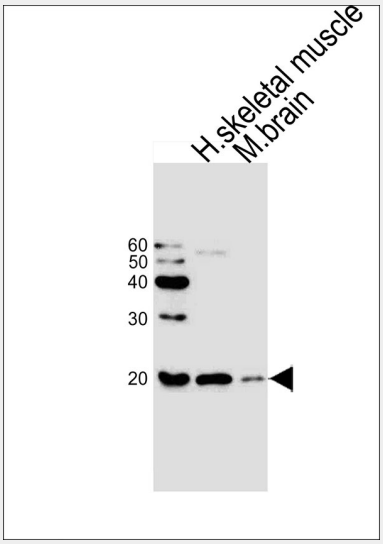
555 conjugated with Phalloidin (red).



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.