

## Rabbit Cofilin 2 Polyclonal Antibody | anti-CFL2 antibody

Anti-Cofilin 2 Antibody

|                              |                       |                                                                                 |                                                           |
|------------------------------|-----------------------|---------------------------------------------------------------------------------|-----------------------------------------------------------|
| CATALOG #<br><b>AAA46591</b> | HOST<br><b>Rabbit</b> | REACTIVITY<br><b>Human, Mouse, Rat</b> No cross reactivity with other proteins. | APPLICATIONS<br><b>Immunohistochemistry, Western Blot</b> |
|------------------------------|-----------------------|---------------------------------------------------------------------------------|-----------------------------------------------------------|

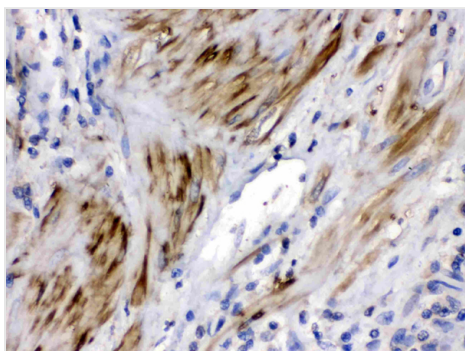
### PRODUCT SYNONYMS

Cofilin 2; Polyclonal Antibody; Anti-Cofilin 2 Antibody; CFL 2; CFL2; CFL-2; Cofilin 2 muscle; Cofilin; Cofilin muscle; Cofilin2; Cofilin-2; NEM 7; NEM7; Q9Y281; cofilin 2; anti-CFL2 antibody

### PRODUCT SPECIFICATIONS

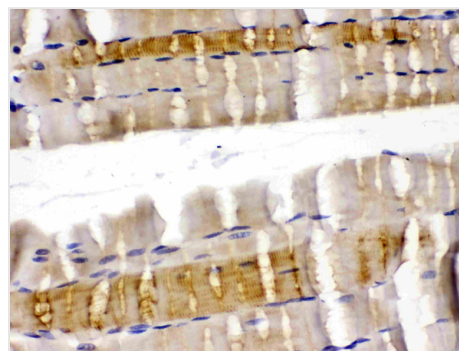
|                                                |                                                                                                                                                                                                      |
|------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Host                                           | Rabbit                                                                                                                                                                                               |
| Reactivity                                     | Human, Mouse, Rat<br>No cross reactivity with other proteins.                                                                                                                                        |
| Clonality                                      | Polyclonal                                                                                                                                                                                           |
| Isotype                                        | IgG                                                                                                                                                                                                  |
| Purity/Purification                            | Immunogen affinity purified.                                                                                                                                                                         |
| Form/Format                                    | Lyophilized                                                                                                                                                                                          |
| Sequence Length                                | 149                                                                                                                                                                                                  |
| Applicable Applications for anti-CFL2 antibody | IHC (Immunohistochemistry), WB (Western Blot)                                                                                                                                                        |
| Immunogen                                      | A synthetic peptide corresponding to a sequence at the C-terminus of human Cofilin 2 (121-153aa KDAIKKKFTGIKHEWQVNLDDIKDRSTLGEKL), identical to the related mouse sequence.                          |
| Contents                                       | Each vial contains 5mg BSA, 0.9mg NaCl, 0.2mg Na <sub>2</sub> HPO <sub>4</sub> , 0.05mg Na <sub>3</sub> N.                                                                                           |
| Reconstitution                                 | Add 0.2ml of distilled water will yield a concentration of 500ug/ml.                                                                                                                                 |
| Preparation and Storage                        | At -20 degree C for one year. After reconstitution, at 4 degree C for one month. It can also be aliquotted and stored frozen at -20 degree C for a longer time. Avoid repeated freezing and thawing. |

### IMAGES



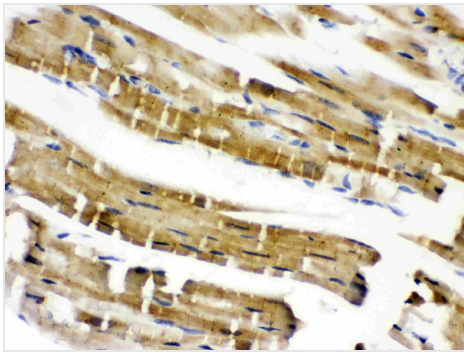
#### IHC (Immunohistochemistry)

Cofilin 2 was detected in paraffin-embedded sections of human prostatic cancer tissues using rabbit anti- Cofilin 2 Antigen Affinity purified polyclonal antibody at 1 ug/mL. The immunohistochemical section was developed using SABC method.



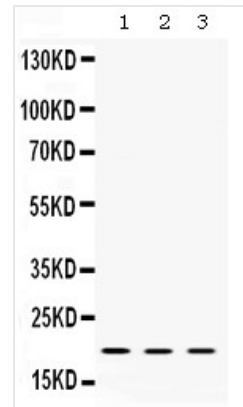
#### IHC (Immunohistochemistry)

Cofilin 2 was detected in paraffin-embedded sections of rat skeletal muscle tissues using rabbit anti- Cofilin 2 Antigen Affinity purified polyclonal antibody at 1 ug/mL. The immunohistochemical section was developed using SABC method.



#### IHC (Immunohistochemistry)

Cofilin 2 was detected in paraffin-embedded sections of mouse cardiac muscle tissues using rabbit anti- Cofilin 2 Antigen Affinity purified polyclonal antibody at 1 ug/mL. The immunohistochemical section was developed using SABC method.



#### WB (Western Blot)

Western blot analysis of Cofilin 2 expression in rat liver extract (lane 1), mouse brain extract (lane 2) and HELA whole cell lysates (lane 3). Cofilin 24 at 19KD was detected using rabbit anti- Cofilin 2 Antigen Affinity purified polyclonal antibody at 0.5 ug/mL. The blot was developed using chemiluminescence (ECL) method.

## ADDITIONAL INFORMATION

|                                                           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
|-----------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Related Product Information for anti-CFL2 antibody</b> | <p>Rabbit IgG polyclonal antibody for Cofilin-2 (CFL2) detection.</p> <p>Background: Cofilin 2 (muscle), also known as CFL2, is a protein which in humans is encoded by the CFL2 gene. It is mapped to 14q12. This gene encodes an intracellular protein that is involved in the regulation of actin-filament dynamics. And this protein is a major component of intranuclear and cytoplasmic actin rods. It can bind G- and F-actin in a 1:1 ratio of cofilin to actin, and it reversibly controls actin polymerization and depolymerization in a pH-dependent manner. Mutations in this gene cause nemaline myopathy type 7, a form of congenital myopathy. Alternative splicing results in multiple transcript variants.</p> |
| <b>References</b>                                         | <ol style="list-style-type: none"> <li>1. "Entrez Gene: CFL2 cofilin 2 (muscle)".</li> <li>2. Agrawal PB, Greenleaf RS, Tomczak KK, Lehtokari VL, Wallgren-Pettersson C, Wallefeld W, Laing NG, Darras BT, Maciver SK, Dormitzer PR, Beggs AH (January 2007). "Nemaline myopathy with minicores caused by mutation of the CFL2 gene encoding the skeletal muscle actin-binding protein, cofilin-2". <i>Am. J. Hum. Genet.</i> 80 (1): 162-7.</li> <li>3. Gillett GT, Fox MF, Rowe PS, Casimir CM, Povey S (May 1996). "Mapping of human non-muscle type cofilin (CFL1) to chromosome 11q13 and muscle-type cofilin (CFL2) to chromosome 14". <i>Ann. Hum. Genet.</i> 60 (Pt 3): 201-11.</li> </ol>                              |

## NCBI AND UNIPROT INFORMATION

|                                         |                     |
|-----------------------------------------|---------------------|
| <b>NCBI GI #</b>                        | 343887344           |
| <b>NCBI GeneID</b>                      | 1073                |
| <b>NCBI Accession #</b>                 | NP_001230574.1      |
| <b>NCBI GenBank Nucleotide #</b>        | NM_001243645.1      |
| <b>UniProt Accession #</b>              | Q9Y281; G3V5P4      |
| <b>Molecular Weight</b>                 | – Da                |
| <b>NCBI Official Full Name</b>          | cofilin-2 isoform 2 |
| <b>NCBI Official Synonym Full Names</b> | cofilin 2           |
| <b>NCBI Official Symbol</b>             | CFL2                |
| <b>NCBI Official Synonym Symbols</b>    | NEM7                |
| <b>NCBI Protein Information</b>         | cofilin-2           |
| <b>UniProt Protein Name</b>             | Cofilin-2           |
| <b>UniProt Gene Name</b>                | CFL2                |

**For Research Use Only.** Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/cofilin-2-antibody-immunohistochemistry-western-blot-elisa/46591>