

Rabbit Cofilin 2 Polyclonal Antibody | anti-CFL2 antibody

Anti-Cofilin 2 Antibody

CATALOG # AAA46591	HOST Rabbit	REACTIVITY Human, Mouse, Rat No cross reactivity with other proteins.	APPLICATIONS Immunohistochemistry, Western Blot
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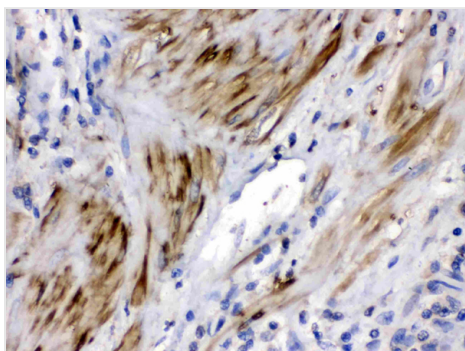
PRODUCT SYNONYMS

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

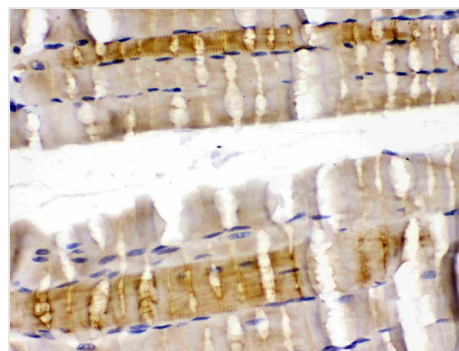
Host	Rabbit
Reactivity	Human, Mouse, Rat No cross reactivity with other proteins.
Clonality	Polyclonal
Isotype	IgG
Purity/Purification	Immunogen affinity purified.
Form/Format	Lyophilized
Sequence Length	149
Applicable Applications for anti-CFL2 antibody	IHC (Immunohistochemistry), WB (Western Blot)
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 ₂ HPO ₄ , 0.05mg Na ₃ 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



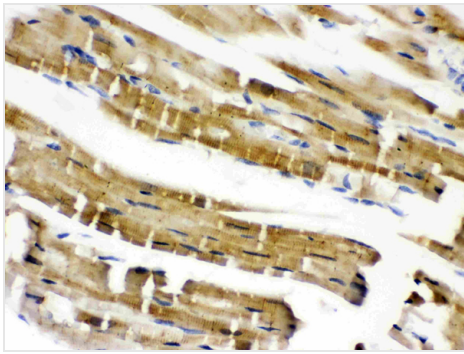
IHC (Immunohistochemistry)

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.



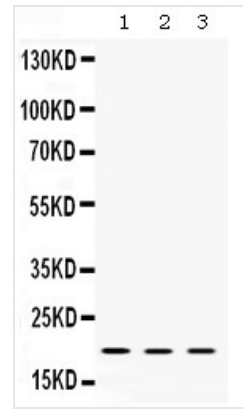
IHC (Immunohistochemistry)

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

Related Product Information for anti-CFL2 antibody	Rabbit IgG polyclonal antibody for Cofilin-2 (CFL2) detection. 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.
References	1. "Entrez Gene: CFL2 cofilin 2 (muscle)". 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. 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.

NCBI AND UNIPROT INFORMATION

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