

## ARG63822 anti-Cofilin 2 antibody

Package: 100 µg  
Store at: -20°C

### Summary

Product Description	Goat Polyclonal antibody recognizes Cofilin 2
Tested Reactivity	Hu, Rat
Predict Reactivity	Ms, Dog, Pig
Tested Application	IHC-P, WB
Specificity	This antibody is expected to recognise both reported isoforms (NP_068733 and NP_619579)
Host	Goat
Clonality	Polyclonal
Isotype	IgG
Target Name	Cofilin 2
Species	Human
Immunogen	C-DIKDRSTLGEK
Conjugation	Un-conjugated
Alternate Names	Cofilin, muscle isoform; NEM7; Cofilin-2

### Application Instructions

Application table	Application	Dilution
	IHC-P	3 - 5 µg/ml
	WB	0.01 - 0.03 µg/ml
Application Note	WB: Recommend incubate at RT for 1h. IHC-P: Antigen Retrieval: Steam tissue section in Citrate buffer (pH 6.0). * The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.	

### Properties

Form	Liquid
Purification	Purified from goat serum by antigen affinity chromatography.
Buffer	Tris saline (pH 7.3), 0.02% Sodium azide and 0.5% BSA.
Preservative	0.02% Sodium azide
Stabilizer	0.5% BSA
Concentration	0.5 mg/ml
Storage instruction	For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C or below. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed

before use.

#### Note

For laboratory research only, not for drug, diagnostic or other use.

## Bioinformation

#### Database links

[GeneID: 1073 Human](#)

[Swiss-port # Q9Y281 Human](#)

#### Background

This gene encodes an intracellular protein that is involved in the regulation of actin-filament dynamics. 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. [provided by RefSeq, Jul 2009]

#### Research Area

Signaling Transduction antibody

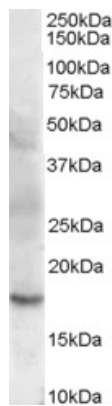
#### Calculated Mw

19 kDa

#### PTM

The phosphorylation of Ser-24 may prevent recognition of the nuclear localization signal.

## Images



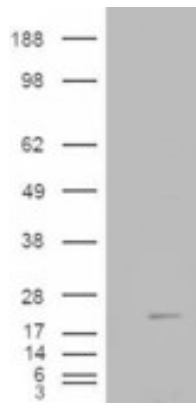
ARG63822 anti-Cofilin 2 antibody WB image

Western Blot: Human Skeletal Muscle lysate (35 µg protein in RIPA buffer) stained with ARG63822 anti-Cofilin 2 antibody at 0.003 µg/ml dilution.



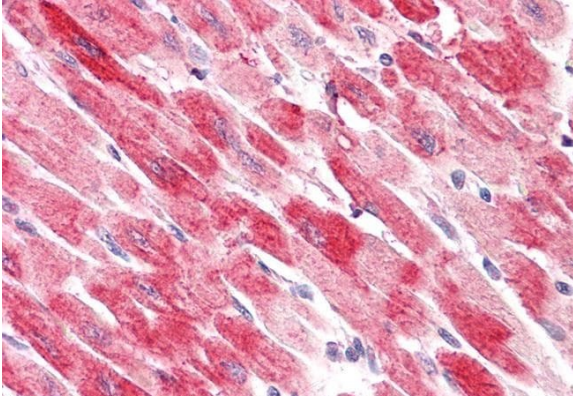
ARG63822 anti-Cofilin 2 antibody WB image

Western Blot: Rat Skeletal Muscle lysate (35 µg protein in RIPA buffer) stained with ARG63822 anti-Cofilin 2 antibody at 0.001 µg/ml dilution.



#### ARG63822 anti-Cofilin 2 antibody WB image

Western Blot: 1). Mock transfection; 2) Human Muscle Cofilin 2 (RC222215) expressing plasmid transfected HEK293 cell lysate stained with ARG63822 anti-Cofilin 2 antibody



#### ARG63822 anti-Cofilin 2 antibody IHC-P image

Immunohistochemistry: Paraffin-embedded Human heart tissue. Antigen Retrieval: Steam tissue section in Citrate buffer (pH 6.0). The tissue section was stained with ARG63822 anti-Cofilin 2 antibody at 3.75 µg/ml dilution followed by AP-staining.