

Datasheet for ABIN3042746  
**anti-Cofilin antibody (C-Term)**



[Go to Product page](#)

4 Images

Overview

Quantity:	100 µg
Target:	Cofilin (CFL1)
Binding Specificity:	AA 122-152, C-Term
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This Cofilin antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p))

Product Details

Purpose:	Rabbit IgG polyclonal antibody for Cofilin-1(CFL1) detection. Tested with WB, IHC-P in Human,Mouse,Rat.
Immunogen:	A synthetic peptide corresponding to a sequence at the C-terminus of human Cofilin (122-152aa DAIKKKLTGIKHELQANCYEEVKDRCTLAEK), identical to the related mouse and rat sequences.
Sequence:	DAIKKLTGI KHELQANCYE EVKDRCTLAE K
Isotype:	IgG
Cross-Reactivity (Details):	No cross reactivity with other proteins.
Characteristics:	Rabbit IgG polyclonal antibody for Cofilin-1(CFL1) detection. Tested with WB, IHC-P in Human,Mouse,Rat. Gene Name: cofilin 1 (non-muscle)

## Product Details

---

Protein Name: Cofilin-1

Purification: Immunogen affinity purified.

## Target Details

---

Target: Cofilin (CFL1)

Alternative Name: CFL1 ([CFL1 Products](#))

Background: Cofilin, a member of the ADF/cofilin family, is actually a protein with 70 % sequence homology to ADF, making it part of the ADF/cofilin family of small ADP-binding proteins. It is a ubiquitous actin-binding factor required for the reorganization of actin filaments. The protein is known to sever actin filaments by creating more positive ends on filament fragments, it can cause depolymerization at the minus end of filaments, thereby preventing their reassembly. As a long-lasting in vivo effect, cofilin recycles older ADP-F-actin, helping cell to maintain ATP-G-actin pool for sustained motility. pH, phosphorylation and phosphoinositides regulate cofilin's binding and associating activity with actin.

Synonyms: 18 kDa phosphoprotein antibody|CFL 1 antibody|CFL antibody|CFL1 antibody|COF1\_HUMAN antibody|Cofilin 1 antibody|Cofilin 1 non muscle antibody|Cofilin antibody|Cofilin non muscle isoform antibody|Cofilin-1 antibody|epididymis secretory protein Li 15 antibody|HEL-S-15 antibody|non-muscle isoform antibody|p18 antibody

Gene ID: 1072

UniProt: [P23528](#)

Pathways: [Regulation of Cell Size](#), [Tube Formation](#), [Protein targeting to Nucleus](#), [CXCR4-mediated Signaling Events](#)

## Application Details

---

Application Notes: WB: Concentration: 0.1-0.5 µg/mL, Tested Species: Human, Mouse, Rat  
IHC-P: Concentration: 0.5-1 µg/mL, Tested Species: Human, Mouse, Rat, Epitope Retrieval by Heat: Boiling the paraffin sections in 10 mM citrate buffer, pH 6.0, for 20 mins is required for the staining of formalin/paraffin sections.  
Notes: Tested Species: Species with positive results. Other applications have not been tested.  
Optimal dilutions should be determined by end users.

Comment: Antibody can be supported by chemiluminescence kit ABIN921124 in WB, supported by

## Application Details

ABIN921231 in IHC(P).

Restrictions: For Research Use only

## Handling

Format: Lyophilized

Reconstitution: Add 0.2 mL of distilled water will yield a concentration of 500 µg/mL.

Concentration: 500 µg/mL

Buffer: Each vial contains 5 mg BSA, 0.9 mg NaCl, 0.2 mg Na<sub>2</sub>HPO<sub>4</sub>, 0.05 mg Sodium azide.

Preservative: Sodium azide

Precaution of Use: This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Handling Advice: Avoid repeated freezing and thawing.

Storage: 4 °C/-20 °C

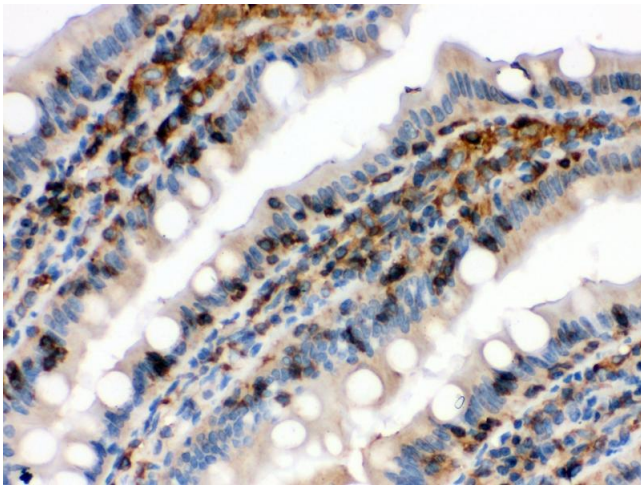
Storage Comment: At -20°C for one year. After reconstitution, at 4°C for one month.  
It can also be aliquotted and stored frozen at -20 °C for a longer time. Avoid repeated freezing and thawing.

## Images



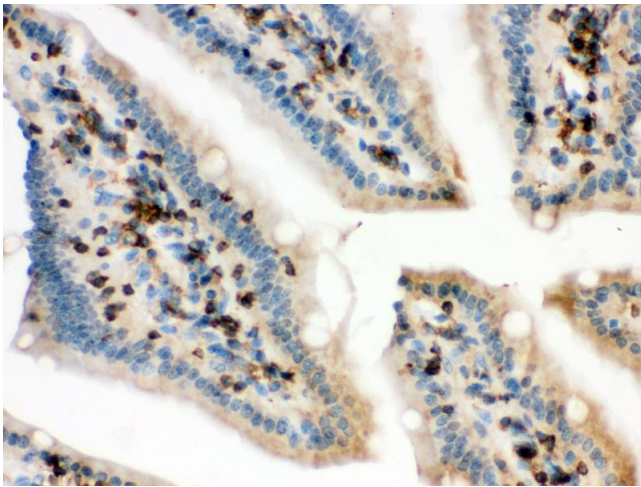
### Western Blotting

Image 1.



#### Immunohistochemistry

**Image 2.** Anti- Cofilin Picoband antibody, IHC(P) IHC(P): Rat Intestine Tissue



#### Immunohistochemistry

**Image 3.** Anti- Cofilin Picoband antibody, IHC(P) IHC(P): Mouse Intestine Tissue

Please check the [product details page](#) for more images. Overall 4 images are available for ABIN3042746.