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## anti-Cofilin antibody (N-Term)





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### Overview

Quantity:	400 μL
Target:	Cofilin (CFL1)
Binding Specificity:	AA 4-32, N-Term
Reactivity:	Human, Mouse
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This Cofilin antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), Flow Cytometry (FACS)
Product Details	
Immunogen:	This CFL1 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 4-32 amino acids from the N-terminal region of human CFL1.
Clone:	RB20525
Isotype:	lg Fraction
Predicted Reactivity:	B, Pr, Pig, Rat, Sh
Purification:	This antibody is prepared by Saturated Ammonium Sulfate (SAS) precipitation followed by dialysis against PBS.

## **Target Details**

Target: Cofilin (CFL1)

## **Target Details**

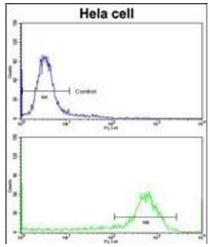
Alternative Name:	CFL1 (CFL1 Products)
Background:	Cofilin is a widely distributed intracellular actin-modulating protein that binds and depolymerizes filamentous F-actin and inhibits the polymerization of monomeric G-actin in a pH -dependent manner.
Molecular Weight:	18502
Gene ID:	1072
NCBI Accession:	NP_005498
UniProt:	P23528
Pathways:	Regulation of Cell Size, Tube Formation, Protein targeting to Nucleus, CXCR4-mediated Signaling Events

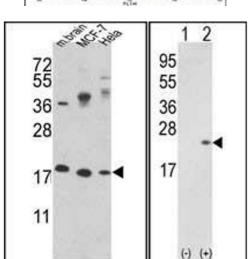
## **Application Details**

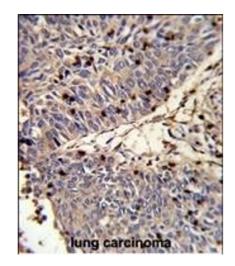
Application Notes:	WB: 1:1000. IHC-P: 1:50~100. FC: 1:10~50
Restrictions:	For Research Use only

## Handling

Format:	Liquid
Buffer:	Purified polyclonal antibody supplied in PBS with 0.09 % (W/V) 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.
Storage:	4 °C,-20 °C
Storage Comment:	Maintain refrigerated at 2-8 °C for up to 6 months. For long term storage store at -20 °C in small aliquots to prevent freeze-thaw cycles.
Expiry Date:	6 months







### **Flow Cytometry**

**Image 1.** Flow cytometric analysis of hela cells using CFL1 Antibody (N-term)(bottom histogram) compared to a negative control cell (top histogram)FITC-conjugated goatanti-rabbit secondary antibodies were used for the analysis.

#### **Western Blotting**

**Image 2.** Western blot analysis of CFL1 Antibody (N-term) (ABIN389443 and ABIN2839515) in MCF-7,Hela cell line and mouse brain tissue lysates (35  $\mu$ g/lane). CFL1 (arrow) was detected using the purified Pab.(2  $\mu$ g/mL)

### **Immunohistochemistry (Paraffin-embedded Sections)**

**Image 3.** Formalin-fixed and paraffin-embedded human lung carcinoma reacted with CFL1 Antibody (N-term), which was peroxidase-conjugated to the secondary antibody, followed by DAB staining. This data demonstrates the use of this antibody for immunohistochemistry, clinical relevance has not been evaluated.