

**Product Name: Cofilin Rabbit Monoclonal Antibody****Catalog #: AMRe04121**

For research use only.

**Summary**

<b>Description</b>	Recombinant rabbit monoclonal antibody
<b>Host</b>	Rabbit
<b>Application</b>	WB,IHC,ICC/IF
<b>Reactivity</b>	Human
<b>Conjugation</b>	Unconjugated
<b>Modification</b>	Unmodified
<b>Isotype</b>	IgG
<b>Clonality</b>	Monoclonal
<b>Form</b>	Liquid
<b>Concentration</b>	0.51mg/ml. The concentration of this product may be batch-dependent.
<b>Storage</b>	Aliquot and store at -20°C (valid for 12 months). Avoid freeze/thaw cycles.
<b>Shipping</b>	Ice bags
<b>Buffer</b>	50mM Tris-Glycine(pH 7.4), 0.15M NaCl, 40% Glycerol, 0.01% Sodium azide and 0.05% protective protein
<b>Purification</b>	Affinity Purification

**Application**

<b>Dilution Ratio</b>	WB 1:500-1:1000,IHC 1:50-1:100,ICC/IF 1:50-1:200
<b>Molecular Weight</b>	Calculated MW: 19 kDa; Observed MW: 19 kDa

**Antigen Information**

<b>Gene Name</b>	CFL1
<b>Alternative Names</b>	CFL1; CFL; Cofilin-1; 18 kDa phosphoprotein; p18; Cofilin; non-muscle isoform
<b>Gene ID</b>	1072
<b>SwissProt ID</b>	P23528
<b>Immunogen</b>	A synthetic peptide of human Cofilin

**Background**

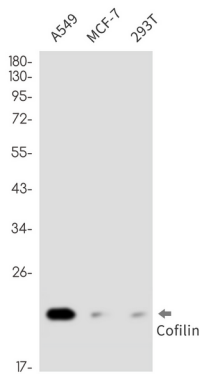
The protein encoded by this gene can polymerize and depolymerize F-actin and G-actin in a pH-dependent manner. Increased phosphorylation of this protein by LIM kinase aids in Rho-induced reorganization of the actin cytoskeleton. Cofilin is a widely

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. It is involved in the translocation of actin-cofilin complex from cytoplasm to nucleus.[supplied by OMIM, Apr 2004]

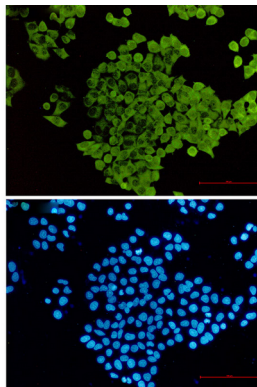
## Research Area

Signal Transduction

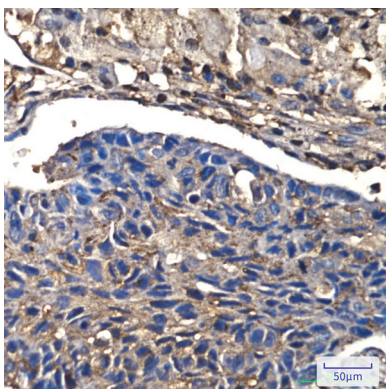
## Image Data



Western blot analysis of Cofilin in A549, MCF-7, 293T lysates using Cofilin antibody.



Immunocytochemistry analysis of Cofilin (green) in hela using Cofilin antibody, and DAPI (blue)



Immunohistochemistry analysis of paraffin-embedded Human lung cancer using Cofilin antibody. High-pressure and temperature Sodium Citrate pH 6.0 was used for antigen retrieval.