



# Cofilin rabbit pAb

Cat No.:ES2018

For research use only

## Overview

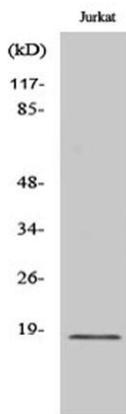
<b>Product Name</b>	Cofilin rabbit pAb
<b>Host species</b>	Rabbit
<b>Applications</b>	WB;IF;ELISA
<b>Species Cross-Reactivity</b>	Human;Mouse;Rat
<b>Recommended dilutions</b>	Western Blot: 1/500 - 1/2000. Immunofluorescence: 1/200 - 1/1000. ELISA: 1/40000. Not yet tested in other applications.
<b>Immunogen</b>	The antiserum was produced against synthesized peptide derived from human Cofilin. AA range:61-110
<b>Specificity</b>	Cofilin Polyclonal Antibody detects endogenous levels of Cofilin protein.
<b>Formulation</b>	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
<b>Storage</b>	Store at -20°C. Avoid repeated freeze-thaw cycles.
<b>Protein Name</b>	Cofilin-1/2
<b>Gene Name</b>	CFL1/CFL2
<b>Cellular localization</b>	Nucleus matrix . Cytoplasm, cytoskeleton . Cell projection, ruffle membrane ; Peripheral membrane protein ; Cytoplasmic side . Cell projection, lamellipodium membrane ; Peripheral membrane protein ; Cytoplasmic side . Cell projection, lamellipodium . Cell
<b>Purification</b>	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
<b>Clonality</b>	Polyclonal
<b>Concentration</b>	1 mg/ml
<b>Observed band</b>	19kD
<b>Human Gene ID</b>	1073/1072
<b>Human Swiss-Prot Number</b>	P23528/Q9Y281
<b>Alternative Names</b>	CFL1; CFL; Cofilin-1; 18 kDa phosphoprotein; p18; Cofilin; non-muscle isoform; CFL2; Cofilin-2;



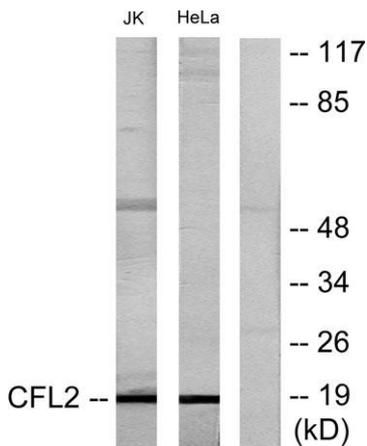


## Background

Cofilin, muscle isoform  
cofilin 1(CFL1) Homo sapiens 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],



Western Blot analysis of various cells using Cofilin Polyclonal Antibody diluted at 1:1000



Western blot analysis of lysates from Jurkat and HeLa cells, using Cofilin Antibody. The lane on the right is blocked with the synthesized peptide.

