

Product Name: KD-Validated Cofilin 1 Recombinant Rabbit Monoclonal Antibody**Catalog #: KVA00744**

For research use only.

Summary

Description	KO&KD-Validated antibody
Host	Rabbit
Application	WB,FCM
Reactivity	Human,Mouse,Rat
Conjugation	Unconjugated
Modification	Unmodified
Isotype	Rabbit IgG
Clonality	Rabbit mAb
Form	Liquid
Storage	Aliquot and store at -20°C (valid for 12 months). Avoid freeze/thaw cycles.
Shipping	Ice bags
Buffer	Supplied in PBS (pH 7.4) containing 50% glycerol, and 0.02% sodium azide.
Purification	Affinity purification

Application

Dilution Ratio	WB 1:1,000-1:5,000; FC 1:200-1:2,000
Molecular Weight	Calculated MW: 18.5kDa

Antigen Information

Gene Name	CFL1
Alternative Names	CFL1; Cofilin 1; CFL; Cofilin 1 (Non-Muscle); 18 KDa Phosphoprotein; Cofilin-1; P18; Epididymis Secretory Protein Li 15; Cofilin, Non-Muscle Isoform; HEL-S-15; Cofilin
Gene ID	1072.0
SwissProt ID	P23528
Immunogen	A synthesized peptide derived from human Cofilin

Background

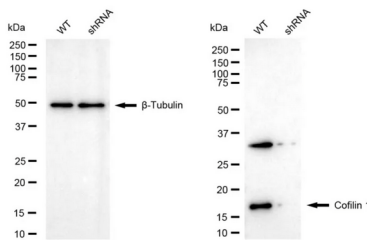
The protein encoded by this gene can polymerize and depolymerize F-actin and G-actin in a pH-dependent manner. Increased phosphorylation of this protein by LIM kinase aids in Rho-induced reorganization of the actin cytoskeleton. Cofilin is a widely distributed intracellular actin-modulating protein that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

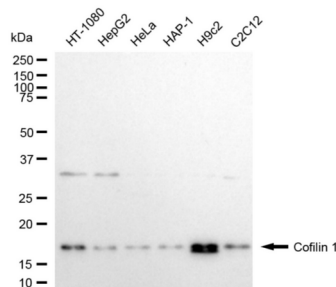
Research Area

Signal Transduction, Neuroscience, Cancer, Cardiovascular

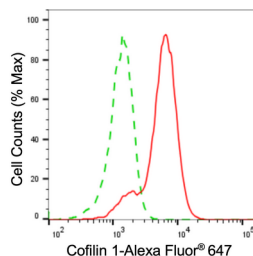
Image Data



Western blotting analysis using cofilin 1 antibody (KVA00744). Cofilin 1 expression in wild type (WT) and cofilin 1 (CFL1) shRNA knockdown (KD) HeLa cells with 20 μ g of total cell lysates. β -Tubulin serves as a loading control. The blot was incubated with cofilin 1 antibody (KVA00744, 1:5,000) and HRP-conjugated goat anti-rabbit secondary antibody (APS0635, 1:10,000) respectively.



Western blotting analysis using cofilin 1 antibody (KVA00744). Total cell lysates (30 μ g) from various cell lines were loaded and separated by SDS-PAGE. The blot was incubated with cofilin 1 antibody (KVA00744, 1:5,000) and HRP-conjugated goat anti-rabbit secondary antibody (APS0635, 1:10,000) respectively.



Flow cytometric analysis of cofilin 1 expression in H9c2 cells using cofilin 1 antibody (KVA00744, 1:2,000). Green, isotype control; red, cofilin 1.