

Anti-Cofilin Rabbit mAb

Purified Recombinant Rabbit Monoclonal Antibody

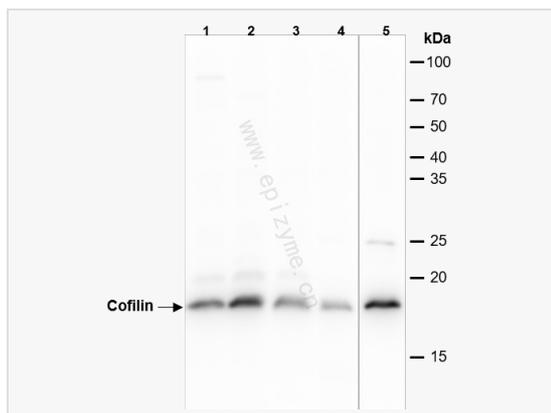
Catalog # R013863

Product Information

Application	IHC-P/IF (Tissue-P), ELISA, WB
Reactivity	Rat, Human, Mouse
Dilution	WB 1:1,000~1:2,000; IHC-P 1:100~1:200; IF 1:100~1:200
Host	Rabbit
Clonality	Monoclonal
Clone No.	62E49I32
Isotype	IgG
Label	Unconjugated
Immunogen	A synthesized peptide derived from human Cofilin
Format	Affinity purified monoclonal antibody supplied in PBS with 0.01% sodium azide and 50% glycerol, pH 7.3.
Storage	Shipped on wet ice. Store at -20°C. Stable for 24 months from date of receipt. Aliquoting is unnecessary for -20°C storage.
Precautions	Anti-Cofilin Rabbit mAb [62E49I32] is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

Synonyms	18 kDa phosphoprotein, CFL 1, CFL, CFL1, COF1_HUMAN, Cofilin 1, Cofilin 1 non muscle, Cofilin, Cofilin non muscle isoform, Cofilin-1, epididymis secretory protein Li 15, HEL-S-15, non-muscle isoform, p18.
Calculated MW	Calculated MW: 18 kDa; Observed MW: 18 kDa
Uniprot ID	P23528
Gene ID	1072
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]



Western Blot - Anti-Cofilin Rabbit mAb [62E49I32]

All lanes: R013863 at 1:2,000 dilution

Lane 1: Jurkat (Human T lymphocytic leukemia cell) whole cell lysates

Lane 2: HCT116 (Human colorectal carcinoma epithelial cell) whole cell lysates

Lane 3: SW620 (Human colorectal carcinoma epithelial cell) whole cell lysates

Lane 4: Rat heart whole tissue lysates

Lane 5: Balb/c mouse brain whole tissue lysates

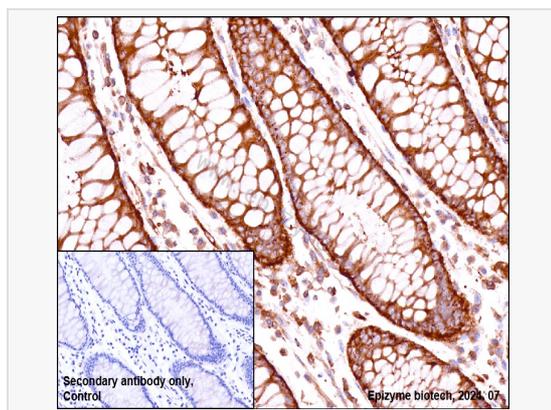
Lysates/proteins at 10 µg per lane.

Secondary antibody: Goat Anti-Rabbit IgG(H+L), HRP Conjugated (Cat. No. LF102) at 1:5,000 dilution

Predicted band size: 18 kDa

Observed band size: 18 kDa

Developed using the ECL technique (Cat. No. SQ201).



Immunohistochemistry - Anti-Cofilin Rabbit mAb [62E49I32]

Sample: Paraformaldehyde-fixed, paraffin embedded human colorectal carcinoma tissue

Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0) for 30 mins.

Primary antibody: R013863 at 1:200 dilution

Secondary antibody: Goat Anti-Rabbit IgG (H+L), HRP conjugated at 1:1,000 dilution

DAB was used as the chromogen.

Counter stained with hematoxylin.

Positive/negative staining were presented.

Only the secondary antibody was used as the negative control.