

## Anti-Cofilin Rabbit mAb

Purified Rabbit Monoclonal Antibody

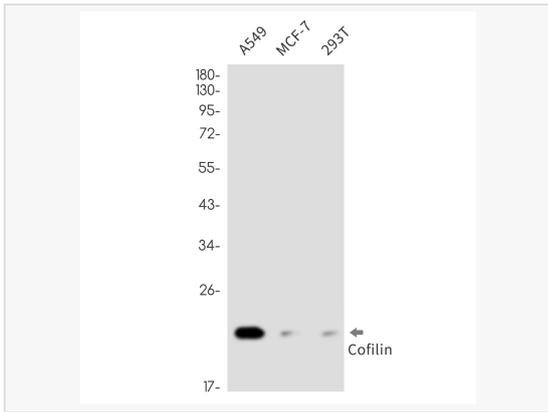
Catalog # R012488

### Product Information

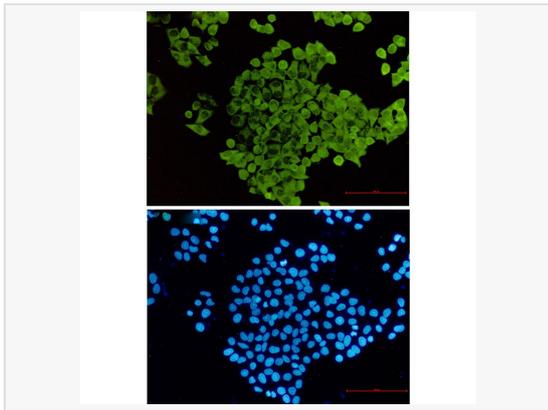
Application	WB, IHC-F/IF (Tissue-F), IHC-P/IF (Tissue-P), ICC/IF (Cell), ELISA
Reactivity	Human
Dilution	WB 1:500~1:1,000; IHC-P 1:50~1:100; IF 1:50~1:200
Host	Rabbit
Clonality	Monoclonal
Clone No.	82K53L72
Isotype	IgG
Label	Unconjugated
Immunogen	A synthetic peptide of human Cofilin
Format	Buffer System: 50mM Tris-Glycine(pH 7.4), 0.15M NaCl, 40% Glycerol, 0.01% Sodium azide and 0.05% BSA Purification: Affinity Purified.
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 antibody [82K53L72] is for research use only and not for use in diagnostic or therapeutic procedures.

### Protein Information

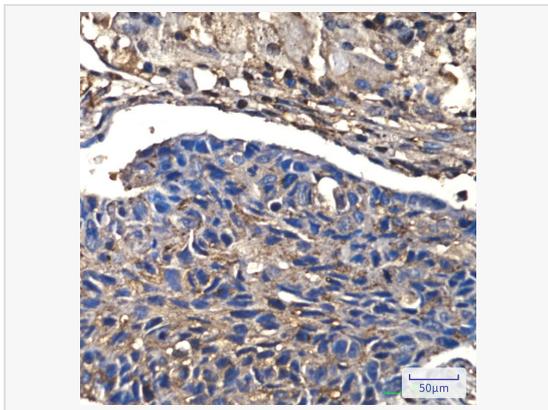
Synonyms	CFL1, CFL, Cofilin-1, 18 kDa phosphoprotein, p18, Cofilin, non-muscle isoform.
Calculated MW	Calculated MW: 19 kDa; Observed MW: 19 kDa
Uniprot ID	P23528
Gene ID	1072
Background	The protein encoded by this gene can polymerize and depolymerize F-actin and G-actin in a pH-dependent manner. Increased 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 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.