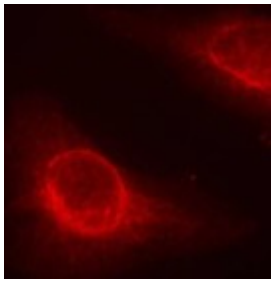
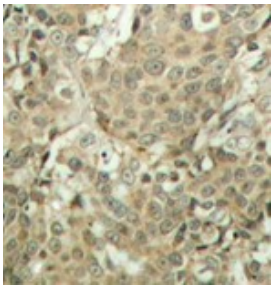
Product Data Sheet: Phospho-Cofilin (S3)

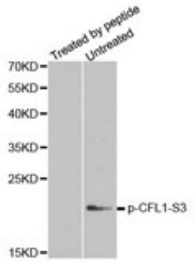
Cat. No:	MAB-94226
Conjugate:	Unconjugated
Size:	100 ug
Clone:	77G3
Concentration:	1mg/ml
Host:	Rb
Isotype:	IgG
Reactivity:	Hu, Ms, Rt
Applications:	Western blotting 1:1000 Immunofluorescence (IF) 1:100 Immunohistochemistry 1:100-1:200
Molecular Weight:	19 kDa
Purification:	Monoclonal antibody is produced by immunizing animals with a synthetic phosphopeptide corresponding to residues surrounding Ser3 of human cofilin.
Background:	Cofilin and actin-depolymerization factor (ADF) are members of a family of essential conserved small actin-binding proteins that play pivotal roles in cytokinesis, endocytosis, embryonic development, stress response, and tissue regeneration (1). In response to stimuli, cofilin promotes the regeneration of actin filaments by severing preexisting filaments (2). The severing activity of cofilin is inhibited by LIMK or TESK phosphorylation at Ser3 of cofilin (3-5). Phosphorylation at Ser3 also regulates cofilin translocation from the nucleus to the cytoplasm (6).Phospho-Cofilin (Ser3) (77G2) Rabbit mAb detects endogenous levels of cofilin only when phosphorylated at serine 3
Form:	liquid
Buffer:	Supplied in PBS with 0,2% sodium azide. 50% glycerol pH 7.3.
Storage:	Store at -20℃. Avoid freeze / thaw cycles.



Immunofluorescence staining of methanol-fixed HeLa cells using Phospho-CFL1-S3 antibody



Immunohistochemistry of paraffin-embedded human breast carcinoma tissue, using Phospho-CFL1-S3 antibody



Western blot analysis of extracts of NIH/3T3 cells, using Phospho-CFL1-S3 antibody at 1:1000 dilution. NIH/3T3 cell lysate were treated by CIP (20ul CIP for each 400ul cell lysate) at 37℃ for 1 hour . Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) at 1:10000 dilution. Lysates/proteins: 25ug per lane. Blocking buffer: 3% BSA. Detection: ECL Kit Exposure time: 3s

web-site: https://.immunologicalsciences.com - e-mail: info@immunologicalsciences.com