

## cofilin(Phospho-Ser3) Antibody

Catalog No: #11139

Package Size: #11139-1 50ul #11139-2 100ul

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## Description

Product Name	cofilin(Phospho-Ser3) Antibody
Host Species	Rabbit
Clonality	Polyclonal
Purification	Antibodies were produced by immunizing rabbits with synthetic phosphopeptide and KLH conjugates. Antibodies were purified by affinity-chromatography using epitope-specific phosphopeptide. Non-phospho specific antibodies were removed by chromatography using non-phosphopeptide.
Applications	WB IHC IF
Species Reactivity	Hu Ms Rt
Specificity	The antibody detects endogenous level of cofilin only when phosphorylated at serine 3.
Immunogen Type	Peptide-KLH
Immunogen Description	Peptide sequence around phosphorylation site of serine 3 (M-A-S(p)-G-V) derived from Human cofilin.
Target Name	cofilin
Modification	Phospho
Other Names	CFL; CFL1;
Accession No.	Swiss-Prot: P23528NCBI Protein: NP_005498.1
Uniprot	P23528
GeneID	1072;
Concentration	1.0mg/ml
Formulation	Supplied at 1.0mg/mL in phosphate buffered saline (without Mg <sup>2+</sup> and Ca <sup>2+</sup> ), pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Storage	Store at -20°C for long term preservation (recommended). Store at 4°C for short term use.

## Application Details

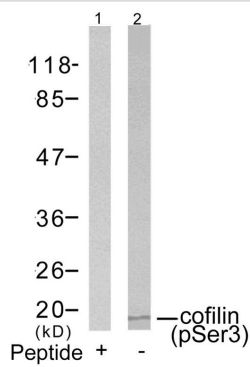
Predicted MW: 19kd

Western blotting: 1:500~1:1000

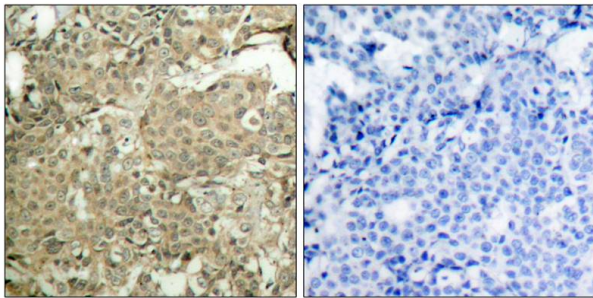
Immunohistochemistry: 1:50~1:100

Immunofluorescence: 1:100~1:200

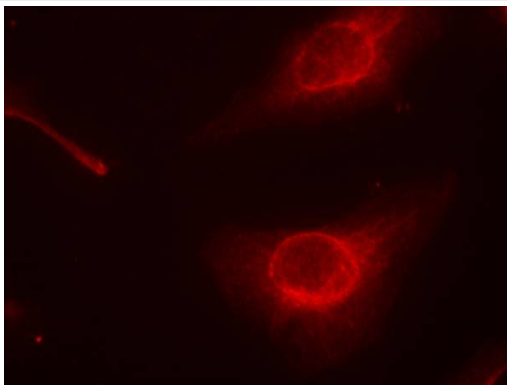
## Images



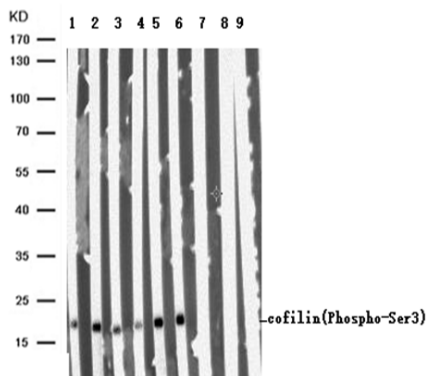
Western blot analysis of extracts from COLO205 cells using cofilin(Phospho-Ser3) Antibody #11139(Lane 2) and the same antibody preincubated with blocking peptide(Lane1).



Immunohistochemical analysis of paraffin-embedded human breast carcinoma tissue using cofilin(Phospho-Ser3) Antibody #11139(left) or the same antibody preincubated with blocking peptide(right).



Immunofluorescence staining of methanol-fixed HeLa cells using cofilin(Phospho-Ser3) Antibody #11139.



Lane 1 : HeLaB treated with H<sub>2</sub>O<sub>2</sub>;  
 Lane 2 : Mouse brain tissue;  
 Lane 3 : Rat brain tissue;  
 Lane 4 : N-peptide blocked HeLaB treated with H<sub>2</sub>O<sub>2</sub>;  
 Lane 5 : N-peptide blocked Mouse brain tissue;  
 Lane 6 : N-peptide blocked Rat brain tissue;  
 Lane 7 : P-peptide blocked HeLaB treated with H<sub>2</sub>O<sub>2</sub>;  
 Lane 8 : P-peptide blocked Mouse brain tissue;  
 Lane 9 : P-peptide blocked Rat brain tissue;  
 Lysates/proteins at 40 µg per lane.  
 Predicted band size :B 19 kDa  
 Observed band size :B 19 kDa

## Background

Controls reversibly actin polymerization and depolymerization in a pH-sensitive manner. It has the ability to bind G- and F-actin in a 1:1 ratio of cofilin to actin. It is the major component of intranuclear and cytoplasmic actin rods.

Kobayashi M, et al. (2006) EMBO J 25(4): 713-26.

Wang Y, et al. (2005) Biol Chem 280(13): 12683-9.

Smith-Beckerman DM, et al. (2005) Mol Cell Proteomics: 156-68.

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Note: This product is for in vitro research use only