

cofilin(Phospho-Ser3) Antibody

Catalog No: #AB11139



Package Size: #AB11139-1 50ul #AB11139-2 100ul #AB11139-4 25ul

Orders: order@abscitech.com

Support: tech@abscitech.com

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-Ser3
Other Names	CFL; CFL1;
Accession No.	Swiss-Prot: P23528NCBI Protein: NP_005498.1
Concentration	1.0mg/ml
Formulation	Supplied at 1.0mg/mL in phosphate buffered saline (without Mg ²⁺ and Ca ²⁺), 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

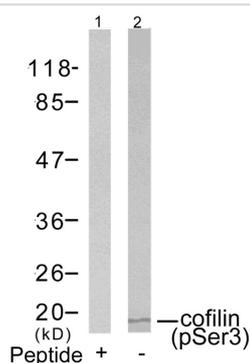
Predicted MW: 19kd

Western blotting: 1:500~1:1000

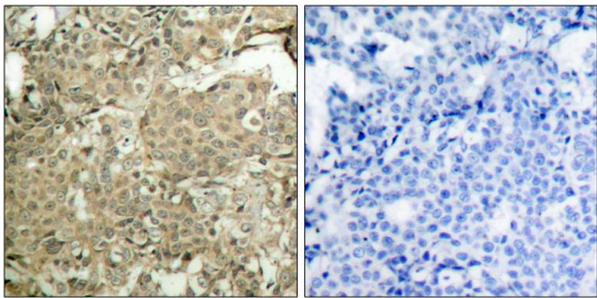
Immunohistochemistry: 1:50~1:100

Immunofluorescence: 1:100~1:200

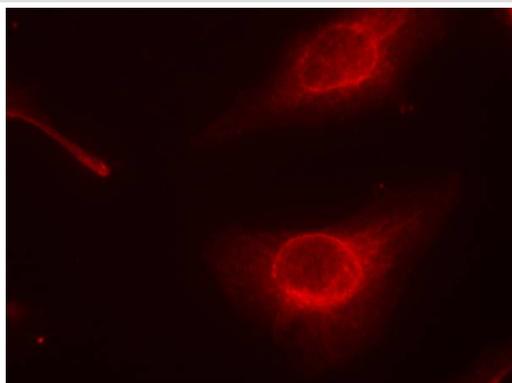
Images



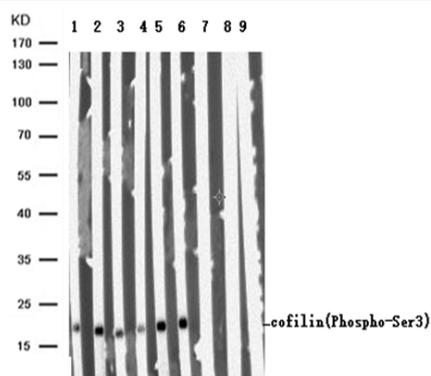
Western blot analysis of extracts from COLO205 cells using cofilin(Phospho-Ser3) Antibody #AB11139(Lane 2) and the same antibody preincubated with blocking peptide(Lane1).



Immunohistochemical analysis of paraffin-embedded human breast carcinoma tissue using cofilin(Phospho-Ser3) Antibody #AB11139(left) or the same antibody preincubated with blocking peptide(right).



Immunofluorescence staining of methanol-fixed HeLa cells using cofilin(Phospho-Ser3) Antibody #AB11139.



Lane 1 : HeLaB treated with H₂O₂;
 Lane 2 : Mouse brain tissue;
 Lane 3 : Rat brain tissue;
 Lane 4 : N-peptide blocked HeLaB treated with H₂O₂;
 Lane 5 : N-peptide blocked Mouse brain tissue;
 Lane 6 : N-peptide blocked Rat brain tissue;
 Lane 7 : P-peptide blocked HeLaB treated with H₂O₂;
 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.

Note: This product is for in vitro research use only and is not intended for use in humans or animals.