cofilin1/cofilin2(phospho-Tyr88) Antibody

Catalog No: #11507

Package Size: #11507-1 50ul #11507-2 100ul

Orders: order@signalwayantibody.com
Support: tech@signalwayantibody.com

Description

Product Name	cofilin1/cofilin2(phospho-Tyr88) 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 chromatogramphy using non-phosphopeptide.
Applications	IHC WB
Species Reactivity	Human;Mouse;Rat
Specificity	The antibody detects endogenous level of cofilin1/cofilin2 only when phosphorylated at tyrosine 88.
Immunogen Type	Peptide-KLH
Immunogen Description	Peptide sequence around phosphorylation site of tyrosine 88 (A-T-Y(p)-E-T) derived from Human coflin1/cofilin2.
Conjugates	Unconjugated
Target Name	cofilin1/cofilin2
Modification	Phospho
Other Names	CFL1/CFL2
Accession No.	Swiss-Prot: P23528 Q9Y281NCBI Protein: NP _005498.1 NP _068733.1
Concentration	1.0mg/ml
Formulation	Supplied at 1.0mg/mL in phosphate buffered saline (without Mg2+ and Ca2+), 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

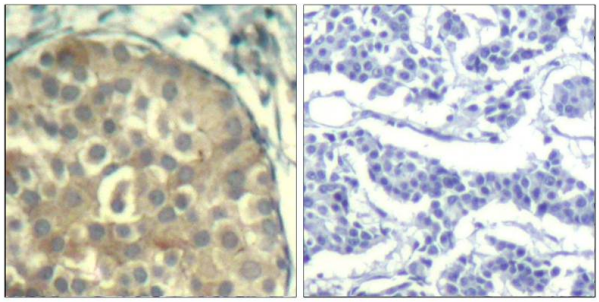
Predicted MW: 19kd

Western blotting: 1:500~1:1000

Immunohistochemistry: 1:50~1:100

Images

Western blot analysis of extracts from Mouse heart tissue using cofilin1/cofilin2(phospho-Tyr88) Antibody #11507.



Immunohistochemical analysis of paraffin-embedded human breast carcinoma tissue using cofilin1/cofilin2(Phospho-Tyr88) Antibody #11507(left) or the same antibody preincubated with blocking peptide(right).

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.

Carlier, M. et al. (1999) J. Biol. Chem. 274, 33827-33830.

Arber, S. et al. (1998) Nature 393, 805-809.

Yang, N. et al. (1998) Nature 393, 809-812.

Published Papers

Li, X., Ke, Q., Li, Y. el at., DGCR6L, A Novel PAK4 Interaction Protein, Regulates PAK4-mediated migration of Human Gastric Cancer Cell via LIMK1., International Journal of Biochemistry and Cell Biology, 42: 70η— C79(2008)

PMID:19778628

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