

cofilin1/cofilin2(Ab-88) Antibody

Catalog No: #21507

Package Size: #21507-1 50ul #21507-2 100ul

Orders: order@signalwayantibody.com

Support: tech@signalwayantibody.com

Description

Product Name	cofilin1/cofilin2(Ab-88) Antibody
Host Species	Rabbit
Clonality	Polyclonal
Purification	Antibodies were produced by immunizing rabbits with synthetic peptide and KLH conjugates. Antibodies were purified by affinity-chromatography using epitope-specific peptide.
Applications	WB IHC IF
Species Reactivity	Hu Ms Rt
Specificity	The antibody detects endogenous level of total cofilin1/cofilin2 protein.
Immunogen Type	Peptide-KLH
Immunogen Description	Peptide sequence around aa. 86~90 (A-T-Y-E-T) derived from Human cofilin1/cofilin2.
Target Name	cofilin1/cofilin2
Other Names	Cofilin; non-muscle isoform 18 kDa phosphoprotein;
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 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

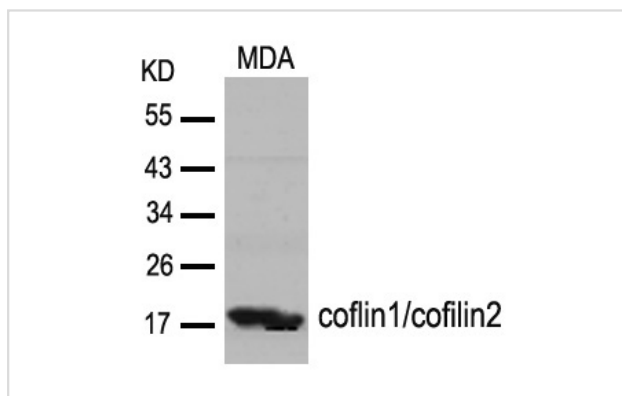
Predicted MW: 19kd

Western blotting: 1:500~1:1000

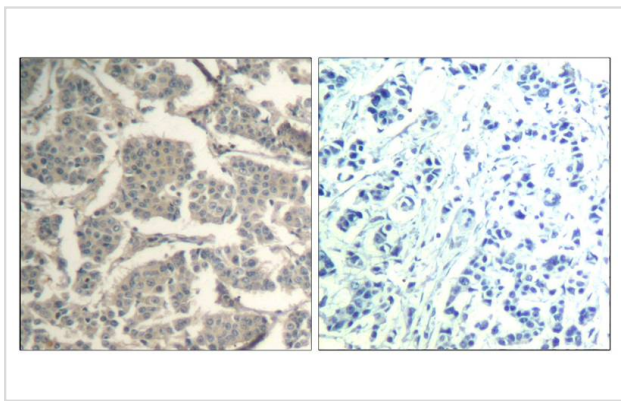
Immunohistochemistry: 1:50~1:100

Immunofluorescence: 1:100~1:200

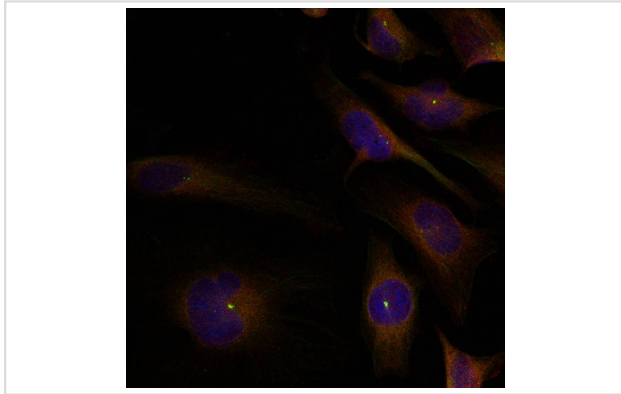
Images



Western blot analysis of extracts from MDA cells using cofilin1/cofilin2(Ab-88) Antibody #21507.



Immunohistochemical analysis of paraffin-embedded human breast carcinoma tissue using cofilin1/2(Ab-88) Antibody #21507(left) or the same antibody preincubated with blocking peptide(right).



Immunofluorescence staining of methanol-fixed HeLa cells using cofilin1/2(Ab-88) Antibody #21507.

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.

Carrier, 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

et al., CD155 Cooperates with PD-1/PD-L1 to Promote Proliferation of Esophageal Squamous Cancer Cells via PI3K/Akt and MAPK Signaling Pathways. In *Cancers (Basel)* on 2022 Nov 15 by Xiyang Tan, Jie Yang, et al.. PMID:36428703, , (2022)

[PMID:36428703](https://pubmed.ncbi.nlm.nih.gov/36428703/)

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