

For Research Use Only

Cofilin Recombinant monoclonal antibody

Catalog Number: 88053-1-RR



Basic Information

Catalog Number:

88053-1-RR

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG1399

GenBank Accession Number:

BC012318

GeneID (NCBI):

1072

UNIPROT ID:

P23528

Full Name:

cofilin 1 (non-muscle)

Calculated MW:

18 kDa

Observed MW:

18 kDa

Purification Method:

Protein A purification

CloneNo.:

260317G7

Recommended Dilutions:

WB: 1:5000-1:50000

IHC: 1:500-1:2000

Applications

Tested Applications:

WB, IHC, ELISA

Species Specificity:

human, mouse, rat

Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0

Positive Controls:

WB : A431 cells, HeLa cells, LNCaP cells, Jurkat cells, HEK-293 cells, Neuro-2a cells, PC-12 cells

IHC : human appendix tissue,

Background Information

Cofilin is a ubiquitous actin-binding protein required for the reorganization of actin filaments. It is a member of ADF (actin-depolymerizing factor)/cofilin family that is a key regulator of actin dynamics and essential for cellular motility, cytokinesis, and endocytosis. Cofilin activity is tightly regulated by phosphorylation and dephosphorylation. Phosphorylation at Ser3 can inhibit its activity, also causing translocation from the nucleus to the cytoplasm.

Storage

Storage:

Store at -20°C. Stable for one year after shipment.

Storage Buffer:

PBS with 0.02% sodium azide and 50% glycerol, pH7.3

Aliquoting is unnecessary for -20°C storage

For technical support and original validation data for this product please contact:

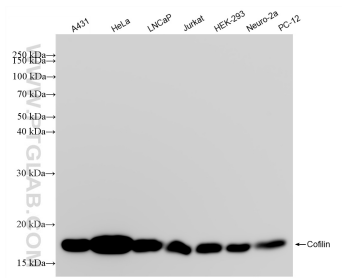
T: 4006900926

E: Proteintech-CN@ptglab.com

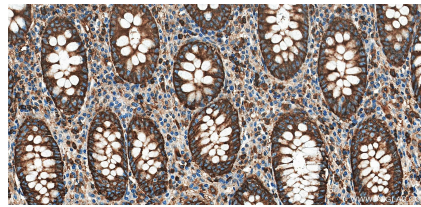
W: ptgcn.com

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Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 88053-1-RR (Cofilin antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded human appendix tissue slide using 88053-1-RR (Cofilin antibody) at dilution of 1:1000 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).