

Phospho-Cofilin (Ser3) Polyclonal antibody

Catalog Number: 29715-1-AP

Basic Information

Catalog Number:

29715-1-AP

Size:

250 µg/ml

Source:

Rabbit

Isotype:

IgG

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:

Antigen affinity purification

Recommended Dilutions:

WB 1:500-1:2000

IF/ICC 1:200-1:800

Applications

Tested Applications:

IF/ICC, WB, ELISA

Species Specificity:

Human

Positive Controls:

WB : λ phosphatase treated HeLa cells, HeLa cells

IF/ICC : λ phosphatase treated HeLa cells,

Background Information

Cofilin is a ubiquitous actin-binding protein required for the reorganization of actin filaments. It is a member of the 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:

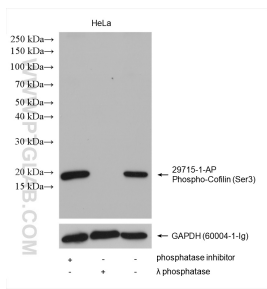
Store at -20°C. Stable for one year after shipment.

Storage Buffer:

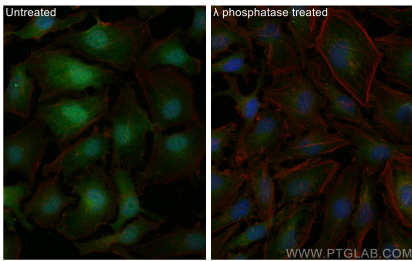
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.

Aliquoting is unnecessary for -20°C storage

Selected Validation Data



Non-treated HeLa cells, phosphatase inhibitor treated HeLa cells and λ phosphatase treated HeLa cells were subjected to SDS PAGE followed by western blot with 29715-1-AP (Phospho-Cofilin (Ser3) antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours. The membrane was stripped and re-blotted with GAPDH antibody as a loading control.



Immunofluorescent analysis of (4% PFA) fixed λ phosphatase treated HeLa cells using Phospho-Cofilin (Ser3) antibody (29715-1-AP) at dilution of 1:400 and CoraLite® 488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L) (SA00013-2), CL594-Phalloidin (red).