

# Phospho-CFL1-S3 Rabbit pAb

Catalog No.: AP0178 **6 Publications**

## Basic Information

### Observed MW

18 kDa

### Calculated MW

19 kDa

### Category

Primary antibody

### Applications

WB,IP,IF/ICC,IHC-P,ELISA

### Cross-Reactivity

Human, Mouse, Rat

## Background

The protein encoded by this gene can polymerize and depolymerize F-actin and G-actin in a pH-dependent manner. Increased phosphorylation of this protein by LIM kinase aids in Rho-induced reorganization of the actin cytoskeleton. Cofilin is a widely distributed intracellular actin-modulating protein that binds and depolymerizes filamentous F-actin and inhibits the polymerization of monomeric G-actin in a pH-dependent manner. It is involved in the translocation of actin-cofilin complex from cytoplasm to nucleus.

## Recommended Dilutions

<b>WB</b>	1:500 - 1:5000
<b>IP</b>	0.5 µg - 4 µg antibody for 400 µg - 600 µg extracts of whole cells
<b>IF/ICC</b>	1:100 - 1:200
<b>IHC-P</b>	1:50 - 1:100
<b>ELISA</b>	Recommended starting concentration is 1 µg/mL. Please optimize the concentration based on your specific assay requirements.

## Contact

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## Immunogen Information

### Gene ID

1072

### Swiss Prot

P23528

### Immunogen

Synthetic peptide. This information is considered to be commercially sensitive.

### Synonyms

CFL; cofilin; HEL-S-15; Phospho-CFL1-S3

## Product Information

### Source

Rabbit

### Isotype

IgG

### Purification

Affinity purification

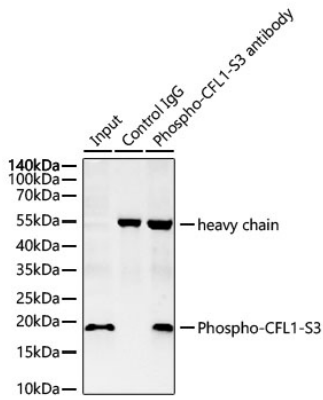
### Storage

Store at -20°C. Avoid freeze / thaw cycles.

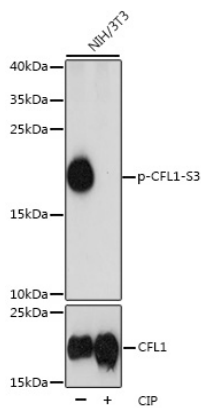
Buffer: PBS, pH 7.3, containing 50% glycerol. Preserved with Proclin300 or sodium azide.

May contain 0.05% BSA as specified on the Certificate of Analysis.

## Validation Data



Immunoprecipitation of Phospho-CFL1-S3 from 300  $\mu$ g extracts of C6 cells was performed using 2  $\mu$ g of Phospho-CFL1-S3 Rabbit pAb (AP0178). Rabbit Control IgG (AC005) was used to precipitate the Control IgG sample. IP samples were eluted with 1x Laemmli Buffer. The Input lane represents 10% of the total input. Western blot analysis of immunoprecipitates was conducted using Phospho-CFL1-S3 Rabbit pAb (AP0178) at a dilution of 1:5000.



Western blot analysis of lysates from NIH/3T3 cells, using Phospho-CFL1-S3 Rabbit pAb (A1704). NIH/3T3 cells were treated by CIP(20uL/400ul) at 37°C for 1 hour.

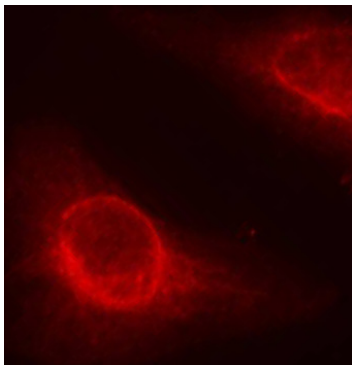
Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.

Lysates/proteins: 25 $\mu$ g per lane.

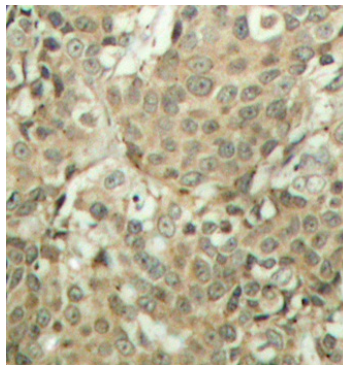
Blocking buffer: 3% BSA.

Detection: ECL Basic Kit (RM00020).

Exposure time: 3s.



Immunofluorescence analysis of methanol-fixed HeLa cells using Phospho-CFL1-S3 Rabbit pAb (AP0178).



Immunohistochemistry analysis of paraffin-embedded Human breast carcinoma tissue, using Phospho-CFL1-S3 Rabbit pAb (AP0178). Microwave antigen retrieval performed with 0.01M Tris/EDTA Buffer (pH 9.0) prior to IHC staining.