Leader in Biomolecular Solutions for Life Science

Phospho-CFL1-S3 Rabbit pAb

Catalog No.: AP0178

7 Publications

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Basic Information

Observed MW
18 kDa

Calculated MW
19 kDa

Category
Polyclonal Antibodies

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

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

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

Contact

400-999-6126
cn.market@abclonal.com.cn
www.abclonal.com.cn

Product Information

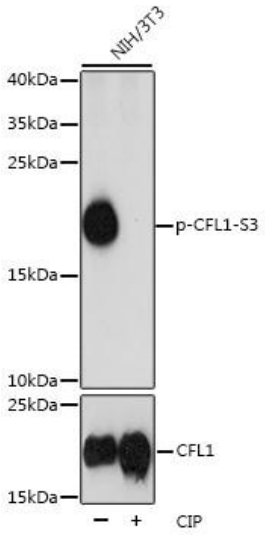
Source
Rabbit

Isotype
IgG

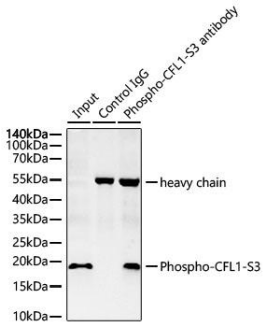
Purity
Affinity purification

Storage
Store at -20℃
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.

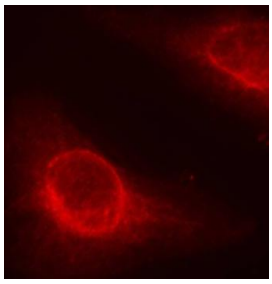
Validation Data



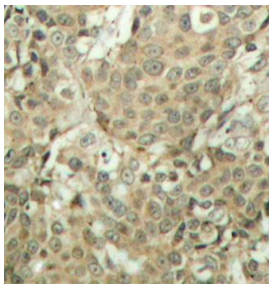
Western blot analysis of lysates from NIH/3T3 cells using Phospho-CFL1-S3 Rabbit pAb (AP0178) incubated overnight at 4℃. NIH/3T3 cells were treated by CIP(20uL /400ul) at 37℃ for 1 hour.
Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1: 10000 dilution.
Lysates/proteins: 25 µg per lane.
Blocking buffer: 3% BSA.
Detection: ECL Basic Kit (RM00020).
Exposure time: 3 s.



Immunoprecipitation of Phospho-CFL1-S3 from 300 µg extracts of C6 cells was performed using 2 µg 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.



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.