

## Cofilin (Phospho Ser3) (PT0749R) PT™ Rabbit mAb

CatalogNo: YM8732 **Recombinant** 

### Key Features

#### Host Species

- Rabbit

#### Reactivity

- Human, Mouse, Rat

#### Applications

- WB, IF, ELISA

#### MW

- 19kD (Calculated)  
25kD (Observed)

#### Isotype

- IgG, Kappa

### Storage

**Storage\*** -15°C to -25°C/1 year (Do not lower than -25°C)

**Formulation** PBS, 50% glycerol, 0.05% Proclin 300, 0.05% BSA

### Recommended Dilution Ratios

**WB 1:500-1:2000**

**IF 1:200-1:1000**

**ELISA 1:5000-1:20000**

### Basic Information

**Clonality** Monoclonal

**Clone Number** PT0749R

### Immunogen Information

**Immunogen** The specific immunogen used to produce this antibody is proprietary information.

**Specificity** Cofilin (Phospho Ser3) Antibody detects endogenous levels of Cofilin protein only when phosphorylated at S3. The name of modified sites may be influenced by many factors, such as species (the modified site was not originally found in human samples) and the change of protein sequence (the previous protein sequence is incomplete, and the protein sequence may be prolonged with the development of protein sequencing technology). When naming, we will use the "numbers" in historical reference to keep the sites consistent with the reports. The antibody binds to the following modification sequence (lowercase letters are modification sites):MASGV

Target Information

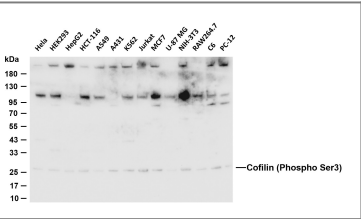
|              |           |                         |                          |
|--------------|-----------|-------------------------|--------------------------|
| Gene name    | CFL1      |                         |                          |
| Protein Name | Cofilin-1 |                         |                          |
|              | Organism  | Gene ID                 | UniProt ID               |
|              | Human     | <a href="#">1072</a> ;  | <a href="#">P23528</a> ; |
|              | Mouse     | <a href="#">12631</a> ; | <a href="#">P18760</a> ; |
|              | Rat       | <a href="#">29271</a> ; | <a href="#">P45592</a> ; |

**Cellular Localization** Nucleus matrix . Cytoplasm , cytoskeleton . Cell projection , ruffle membrane ; Peripheral membrane protein ; Cytoplasmic side . Cell projection , lamellipodium membrane ; Peripheral membrane protein ; Cytoplasmic side . Cell projection , lamellipodium . Cell projection , growth cone . Cell projection , axon . Colocalizes with the actin cytoskeleton in membrane ruffles and lamellipodia. Detected at the cleavage furrow and contractile ring during cytokinesis. Almost completely in nucleus in cells exposed to heat shock or 10% dimethyl sulfoxide.

**Tissue specificity** Widely distributed in various tissues.

**Function** Function: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. ,online information:Cofilin entry ,PTM:Phosphorylated on Ser-3 in resting cells. ,similarity:Belongs to the actin-binding proteins ADF family. ,similarity:Contains 1 ADF-H domain. ,subcellular location:Almost completely in nucleus in cells exposed to heat shock or 10% dimethyl sulfoxide. ,tissue specificity:Widely distributed in various tissues. ,

Validation Data



Various whole cell lysates were separated by 4-20% SDS-PAGE, and the membrane was blotted with anti-Cofilin (Phospho Ser3) (PT0749R) antibody. The HRP-conjugated Goat anti-Rabbit IgG (H + L) antibody was used to detect the antibody. Lane 1: HeLa Lane 2: HEK293 Lane 3: HepG2 Lane 4: HCT-116 Lane 5: A549 Lane 6: A431 Lane 7: K562 Lane 8: Jurkat Lane 9: MCF7 Lane 10: U-87 MG Lane 11: NIH-3T3 Lane 12: RAW264.7 Lane 13: C6 Lane 14: PC-12 Predicted band size: 19kDa Observed band size: 25kDa

## | Contact information

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Please scan the QR code  
to access additional  
product information:

**Cofilin (Phospho  
Ser3) (PT0749R)  
PT™ Rabbit mAb**

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