

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 When naming, we will use the "numbers" in historical reference to keep the sites consistent with the reports.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

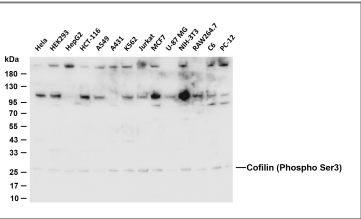
Gene name	CFL1		
Protein Name	Cofilin-1		
	Organism	Gene ID	UniProt ID
	Human	1072 ;	P23528 ;
	Mouse	12631 ;	P18760 ;
	Rat	29271 ;	P45592 ;

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

Orders: order@immunoway.com
Support: tech@immunoway.com
Telephone: 877-594-3616 (Toll Free), 408-747-0185
Website: <http://www.immunoway.com>
Address: 2200 Ringwood Ave San Jose, CA 95131 USA



Please scan the QR code to access additional product information:

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

For Research Use Only. Not for Use in Diagnostic Procedures.

[Antibody](#) | [ELISA Kits](#) | [Protein](#) | [Reagents](#)