

## Phospho-Cofilin (Ser3) Rabbit Polyclonal Antibody

### Catalog #: EAB10696

| Host/Isotype | Clonality  | Applications         | MW (kDa) | Reactivity        |
|--------------|------------|----------------------|----------|-------------------|
| Rabbit IgG   | Polyclonal | WB, IHC-P, IF, ELISA | 19       | Human, Mouse, Rat |

### Applications Dilutions

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

|                                                  |              |
|--------------------------------------------------|--------------|
| <b>WB</b> (Western Blotting)                     | 1:500-2000   |
| <b>IHC-P</b> (Immunohistochemistry-Paraffin)     | 1:50-300     |
| <b>IF</b> (Immunofluorescence)                   | 1:50-300     |
| <b>ELISA</b> (Enzyme-linked Immunosorbent Assay) | 1:5000-20000 |

### Product Information

|                       |                                                                                                                                        |
|-----------------------|----------------------------------------------------------------------------------------------------------------------------------------|
| <b>Conjugate</b>      | Unconjugate                                                                                                                            |
| <b>Specificity</b>    | Phospho-Cofilin (Ser3) Rabbit Polyclonal Antibody detects endogenous levels of cofilin only when phosphorylated at Ser3.               |
| <b>Purification</b>   | Affinity purification                                                                                                                  |
| <b>Concentration</b>  | 1mg/ml                                                                                                                                 |
| <b>Format</b>         | Liquid                                                                                                                                 |
| <b>Formulation</b>    | In PBS, pH 7.4, Containing 0.02% sodium azide, 0.5% BSA and 50% Glycerol                                                               |
| <b>Shipping</b>       | Gel Pack                                                                                                                               |
| <b>Storage</b>        | Store at -20°C least 1 year from the date of shipment. Avoid repeated freeze/thaw cycles. Aliquots may be stored at +4°C for 1-2 weeks |
| <b>UniProt ID</b>     | <a href="#">P23528</a>                                                                                                                 |
| <b>Entrez-Gene Id</b> | <a href="#">1072</a>                                                                                                                   |

### Product Description

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.