

## Cofilin (phospho-S3) polyclonal antibody

Catalog: BCP00540

Host: Rabbit

Reactivity: Human

### BackGround:

Cofilin is ubiquitously expressed in eukaryotic cells where it binds to Actin, thereby regulating the rapid cycling of Actin assembly and disassembly, essential for cellular viability. Cofilin is a low molecular weight protein that binds to filamentous F-Actin by bridging two longitudinally-associated Actin subunits, changing the F-Actin filament twist. This process is allowed by the dephosphorylation of Cofilin Ser 3 by factors like opsonized zymosan. LIM kinase 1 (LIMK-1), a serine kinase, phosphorylates Cofilin and renders it unable to bind and depolymerize F-Actin.

### Product:

Rabbit IgG, 1mg/ml in PBS with 0.02% sodium azide, 50% glycerol, pH7.2

### Molecular Weight:

~ 19 kDa

### Swiss-Prot:

P23528

### Purification&Purity:

The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen and the purity is > 95% (by SDS-PAGE).

### Applications:

WB: 1:500~1:1000

IHC: 1:50~1:200

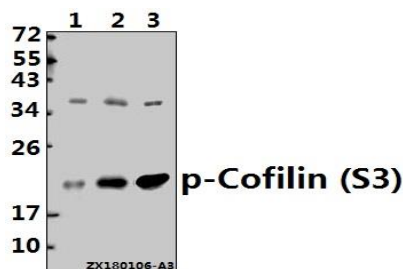
### Storage&Stability:

Store at 4 °C short term. Aliquot and store at -20 °C long term. Avoid freeze-thaw cycles.

### Specificity:

p-Cofilin (S3) polyclonal antibody detects endogenous levels of Cofilin protein only when phosphorylated at Ser3.

### DATA:

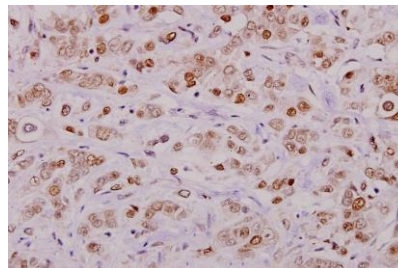


Western blot (WB) analysis of p-Cofilin (S3) pAb at 1:500 dilution

Lane1:SGC7901 whole cell lysate(40ug)

Lane2:HCT116 whole cell lysate(40ug)

Lane3:A549 whole cell lysate(40ug)



Immunohistochemistry (IHC) analyzes of p-Cofilin (S3) pAb in paraffin-embedded human breast carcinoma tissue at 1:100.

### Note:

For research use only, not for use in diagnostic procedure.