

## Cofilin 1 (D9) polyclonal antibody

Catalog: BS5561

Host: Rabbit

Reactivity: Human, Mouse, Rat

**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:**

1 mg/ml in Phosphate buffered saline (PBS) with 0.05% sodium azide, approx. pH 7.2.

**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:**

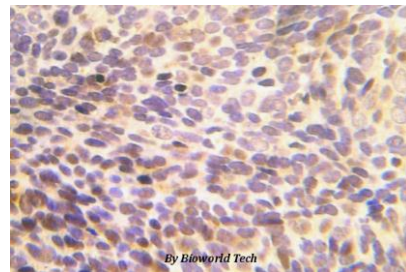
IHC: 1:50~1:200

**Storage&Stability:**

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

**Specificity:**

Cofilin 1 (D9) pAb detects endogenous levels of Cofilin 1 protein.

**DATA:**

Immunohistochemistry (IHC) analyzes of COFILN1 (D9) pAb in paraffin-embedded human lung adenocarcinoma tissue.

**Note:**

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

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