

## PRODUCT DATA SHEET



Bioworld Technology, Inc.

### COFILN1 (D9) Antibody

Cat No.: 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 such as opsonized zymosan. Lim kinase 1, a serine kinase, phosphorylates Cofilin and renders it unable to bind and depolymerise F-Actin.

#### PRODUCT

1 mg/ml in Phosphate buffered saline (PBS) with 15 mM sodium azide, approx. pH 7.2.

#### 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 (Recommended Dilutions)

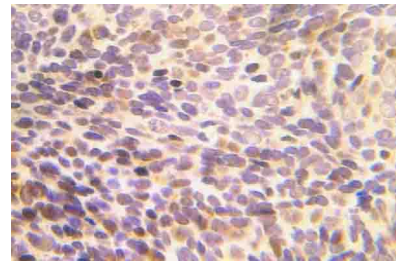
#### STORAGE & STABILITY

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

#### SPECIFICITY

COFILN1 (D9) antibody detects endogenous levels of COFILN1 protein.

#### DATA



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

#### RESEARCH USE

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

**Bioworld Technology, Inc.**

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