

Recombinant

DGRmAb®

## Cofilin (DGR14382) Rabbit mAb (PBS Only)

db15319-PBS

Package : 100µg

**Product Name :** Cofilin (DGR14382) Rabbit mAb (PBS Only)**Cat.No.:** db15319-PBS**Synonyms :** CFL; cofilin; HEL-S-15**Application :** WB, ICC/IF**Reactivity :** Human,Mouse,Rat**Host species :** Rabbit**Background**

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.[supplied by OMIM, Apr 2004]

**Immunogen**

A synthetic peptide of human Cofilin

**Gene ID**

1072

**Swiss Prot**

P23528

**Synonyms**

CFL; cofilin; HEL-S-15

**Reactivity**

Human,Mouse,Rat

**Application**

WB, ICC/IF

**Recommended dilution**WB: 1:1000  
ICC/IF: 1:50-1:200**Calculated MW**

19 kDa

**Observed MW**

19 kDa

**Host species**

Rabbit

**Clonality**

Monoclonal

**Clonality No.**

DGR14382

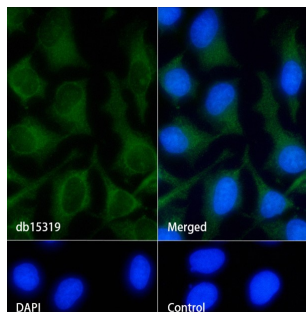
**Isotype**

IgG

**Purity**

Affinity Purification

Conjugation	Un-conjugated
Concentration	1 mg/ml
Formulation	PBS Only
Storage Stability	Store at -20°C. Recommended to aliquot into single-use vials. Supplied in 1X PBS (pH 7.4). BSA and Azide Free. Stable for 12 months from date of receipt.



Immunofluorescence analysis of HeLa cells labelling Cofilin with db15319.

The cells were fixed with cold 100% methanol (10min, 4°C) and blocked in 1% BSA/10% normal goat serum/0.3M glycine in 0.1% PBS-Tween 20 for 1h. The cells were then incubate with db15319 (1:50) at room temprature for 1h, followed by a further incubation at room temperature for 45min with Goat Anti Rabbit IgG (H+L)-AF488 (db10005, shown in green). Nuclear DNA was labeled in blue with DAPI.

Control: Secondary antibody only.