

Cofilin Polyclonal Antibody

Catalog No: YT1007

Reactivity: Human; Mouse; Rat

Applications: WB;IF;ELISA

Target: Cofilin

Fields: >>Axon guidance;>>Fc gamma R-mediated phagocytosis;>>Regulation of actin

cytoskeleton;>>Pertussis;>>Human immunodeficiency virus 1 infection

Gene Name: CFL1/CFL2

Protein Name: Cofilin-1/2

Human Gene Id: 1073/1072

Human Swiss Prot

No:

Mouse Gene ld: 12631/12632

Rat Gene Id: 29271

Rat Swiss Prot No: P45592

Immunogen: The antiserum was produced against synthesized peptide derived from human

Cofilin. AA range:61-110

P23528/Q9Y281

Specificity: Cofilin Polyclonal Antibody detects endogenous levels of Cofilin protein.

Formulation : Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.

Source: Polyclonal, Rabbit, IgG

Dilution: WB 1:500 - 1:2000. IF 1:200 - 1:1000. ELISA: 1:40000. Not yet tested in other

applications.

Purification: The antibody was affinity-purified from rabbit antiserum by affinity-

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Modifications:

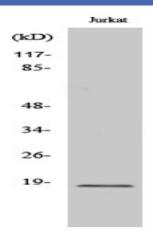
Unmodified

chromatography using epitope-specific immunogen. **Concentration:** 1 mg/ml -15°C to -25°C/1 year(Do not lower than -25°C) **Storage Stability:** Observed Band: 19kD Axon guidance; Fc gamma R-mediated phagocytosis; Regulates Actin and **Cell Pathway:** Cytoskeleton; cofilin 1(CFL1) Homo sapiens The protein encoded by this gene can polymerize **Background:** 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 actinmodulating 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], **Function:** function: Controls reversibly actin polymerization and depolymerization in a pHsensitive manner. It has the ability to bind G- and F-actin in a 1:1 ratio of cofilin to actin. It is the major component of intranuclear and cytoplasmic actin rods., online information:Cofilin entry,PTM:Phosphorylated on Ser-3 in resting cells., similarity: Belongs to the actin-binding proteins ADF family., similarity: Contains 1 ADF-H domain., subcellular location: Almost completely in nucleus in cells exposed to heat shock or 10% dimethyl sulfoxide., tissue specificity: Widely distributed in various tissues., Subcellular Nucleus matrix. Cytoplasm, cytoskeleton. Cell projection, ruffle membrane; Peripheral membrane protein; Cytoplasmic side. Cell projection, lamellipodium Location: membrane; Peripheral membrane protein; Cytoplasmic side. Cell projection, lamellipodium. Cell projection, growth cone. Cell projection, axon. Colocalizes with the actin cytoskeleton in membrane ruffles and lamellipodia. Detected at the cleavage furrow and contractile ring during cytokinesis. Almost completely in nucleus in cells exposed to heat shock or 10% dimethyl sulfoxide. **Expression:** Widely distributed in various tissues. Sort: 4365 No4: Host: Rabbit

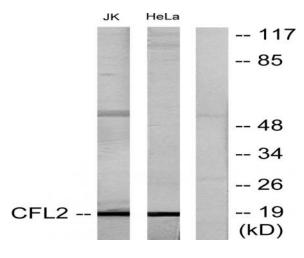
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Products Images



Western Blot analysis of various cells using Cofilin Polyclonal Antibody diluted at 1:1000



Western blot analysis of lysates from Jurkat and HeLa cells, using Cofilin Antibody. The lane on the right is blocked with the synthesized peptide.