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Cofilin Polyclonal Antibody

Catalog No YP-Ab-03105 Isotype IgG Reactivity Human;Mouse;Rat Applications WB;IHC;IF;ELISA Gene Name CFL1 Protein Name Cofilin-1 Immunogen The antiserum was produced against synthesized peptide derived from human Cofilin. AA range:1-50 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 Purification The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen. Dilution Western Blot: 1/500 - 1/2000. Immunohistochemistry. 1/100 - 1/300. Immunofluorescence: 1/200 - 1/1000. ELISA: 1/10000. Not yet tested in other applications. Concentration 1 mg/ml Purity ≥90% Storage Stability -20°C/1 year Synonyms CFL1; CFL; Cofilin-1; 18 kDa phosphoprotein; p18; Cofilin; non-muscle isoform Observed Band 19kD Cell Pathway Nucleus matrix. Cytoplasm, cytoskeleton . Cell projection, amellipodium immerbrane protein; Cytoplasmic side . Cell projection, amellipodium immerbrane protein; Cytoplasmic side . Cell pr		
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Gene Name CFL1 Protein Name Cofilin-1 Immunogen The antiserum was produced against synthesized peptide derived from human Cofilin. AA range:1-50 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 Purification The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen. Dilution Western Blot: 1/500 - 1/2000. Immunofistochemistry: 1/100 - 1/300. Immunofiourescence: 1/200 - 1/1000. ELISA: 1/10000. Not yet tested in other applications. Concentration 1 mg/ml Purity 290% Storage Stability -20°C/1 year Synonyms CFL1; CFL; Cofilin-1; 18 kDa phosphoprotein; p18; Cofilin; non-muscle isoform Observed Band 19kD Cell Pathway Nucleus matrix. Cytoplasm, cytoskeleton. Cell projection, ruffle membrane: Peripheral membrane protein; Cytoplasmic side. Cell projection, lamellipodium membrane: Peripheral membrane under and lamellipodium cells exposed to heat shock or 10% dimethyl sulfoxide. Tissue Specificity Widely distributed in various tissues. Function function: Controls reversibly actin polymerization and depolymerization in a pH-sensitive 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, Eelongs 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 widelently	Reactivity	Human;Mouse;Rat
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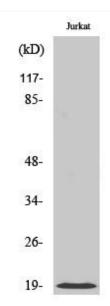
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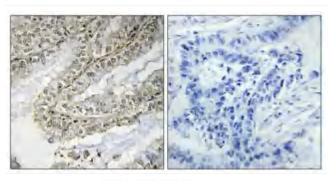


Background	cofilin 1(CFL1) Homo sapiens The protein encoded by this gene can polymerize and depolymerize F-actin and G-actin in a pH-dependent manner. Increased phosphorylation of this protein by LIM kinase aids in Rho-induced reorganization of the actin cytoskeleton. Cofilin is a widely distributed 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],
matters needing attention	Avoid repeated freezing and thawing!
Usage suggestions	This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.

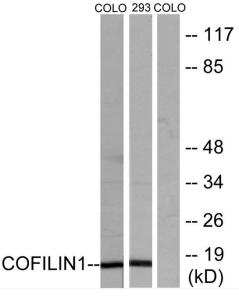
Products Images



Western Blot analysis of various cells using Cofilin Polyclonal Antibody diluted at 1:500



Immunohistochemical analysis of paraffin-embedded Human lung cancer. Antibody was diluted at 1:100(4° overnight). High-pressure and temperature Tris-EDTA,pH8.0 was used for antigen retrieval. Negetive contrl (right) obtaned from antibody was pre-absorbed by immunogen peptide.



Western blot analysis of lysates from COLO205 and 293 cells, using Cofilin Antibody. The lane on the right is blocked with the synthesized peptide.