

产品名称: Cofilin Rabbit Polyclonal Antibody
产品货号: APRab09160



产品概述 (Summary)

产品名称 (Production Name)	Cofilin Rabbit Polyclonal Antibody
描述 (Description)	Rabbit Polyclonal Antibody
宿主 (Host)	Rabbit
应用 (Application)	WB,IHC,ELISA
种属反应性 (Reactivity)	Human,Mouse,Rat

产品性能 (Performance)

偶联物 (Conjugation)	Unconjugated
修饰 (Modification)	Unmodified
同种型 (Isotype)	IgG
克隆 (Clonality)	Polyclonal
形式 (Form)	Liquid
存放说明 (Storage)	Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.
储存溶液 (Buffer)	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% New type preservative N.
纯化方式 (Purification)	Affinity purification

免疫原信息 (Immunogen)

基因名 (Gene Name)	CFL1
别名 (Alternative Names)	CFL1; CFL; Cofilin-1; 18 kDa phosphoprotein; p18; Cofilin; non-muscle isoform
基因 ID (Gene ID)	1072.0
蛋白 ID (SwissProt ID)	P23528.The antiserum was produced against synthesized peptide derived from human Cofilin. AA range:1-50

产品应用 (Application)

稀释比 (Dilution Ratio)	WB 1:500 - 1:2000. IHC 1:100 - 1:300. . ELISA: 1:10000. Not yet tested in other applications.
蛋白分子量 (Molecular Weight)	19kD

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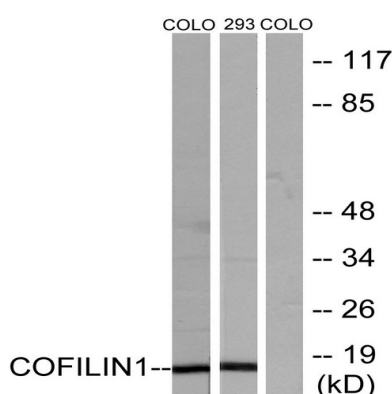
研究背景 (Background)

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],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: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.,

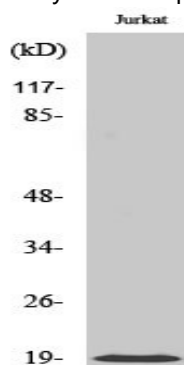
研究领域 (Research Area)

Axon guidance;Fc gamma R-mediated phagocytosis;Regulates Actin and Cytoskeleton;

图片 (Image Data)

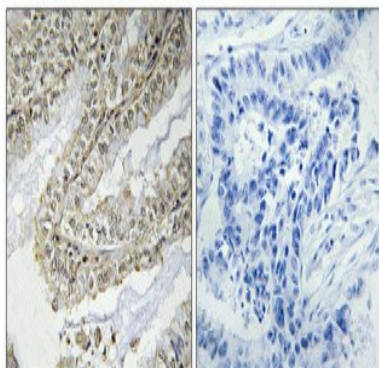


Western blot analysis of lysates from COLO205 and 293 cells, using Cofilin Antibody. The lane on the right is blocked with the synthesized peptide.



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

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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. Negative contrl (right) obtaned from antibody was pre-absorbed by immunogen peptide.

注意事项 (Note)

For research use only .