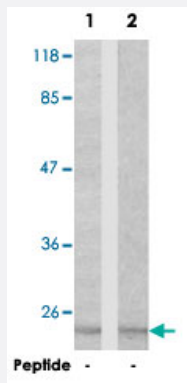


CFL1/CFL2 polyclonal antibody

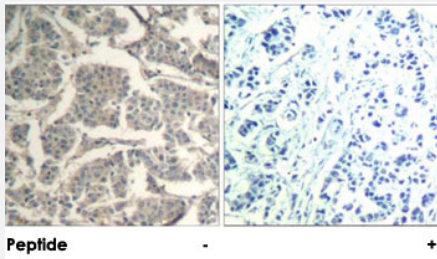
Catalog # PAB26834 Size 100 ug

Applications



Western Blot (Cell lysate)

Western blot analysis of extracts from HeLa (lane 1) and MDA (lane 2) cell using CFL1/CFL2 polyclonal antibody (Cat # PAB26834).



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

Immunohistochemical analysis of paraffin-embedded human breast carcinoma tissue using CFL1/CFL2 polyclonal antibody (Cat # PAB26834).

Specification

Product Description	Rabbit polyclonal antibody raised against synthetic peptide of CFL1/CFL2.
Immunogen	A synthetic peptide (conjugated with KLH) corresponding to residues surrounding Y88 of human CFL1/CFL2.
Sequence	A-T-Yp-E-T
Host	Rabbit
Theoretical MW (kDa)	19
Reactivity	Human, Mouse

Form	Liquid
Purification	Affinity chromatography
Concentration	1 mg/mL
Recommend Usage	Western Blot (1:500-1:1000) Immunohistochemistry (1:50-1:100) The optimal working dilution should be determined by the end user.
Storage Buffer	In PBS, 150 mM NaCl, pH 7.4 (50% glycerol, 0.02% sodium azide)
Storage Instruction	Store at -20°C. Aliquot to avoid repeated freezing and thawing.
Note	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Applications

- Western Blot (Cell lysate)

Western blot analysis of extracts from HeLa (lane 1) and MDA (lane 2) cell using CFL1/CFL2 polyclonal antibody (Cat # PAB26834).

- Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

Immunohistochemical analysis of paraffin-embedded human breast carcinoma tissue using CFL1/CFL2 polyclonal antibody (Cat # PAB26834).

Gene Info — CFL1

Entrez GeneID	1072
Protein Accession#	P23528 (Gene ID : 1072);Q9Y281 (Gene ID : 1073)
Gene Name	CFL1
Gene Alias	CFL
Gene Description	cofilin 1 (non-muscle)
Omim ID	601442
Gene Ontology	Hyperlink

Gene Summary

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]

Other Designations

-

Gene Info — CFL2

Entrez GeneID

[1073](#)

Protein Accession#

[P23528 \(Gene ID : 1072\);Q9Y281 \(Gene ID : 1073\)](#)

Gene Name

CFL2

Gene Alias

NEM7

Gene Description

cofilin 2 (muscle)

Omim ID

[601443 610687](#)

Gene Ontology

[Hyperlink](#)

Gene Summary

This gene encodes an intracellular protein that is involved in the regulation of actin-filament dynamics. This protein is a major component of intranuclear and cytoplasmic actin rods. It can bind G- and F-actin in a 1:1 ratio of cofilin to actin, and it reversibly controls actin polymerization and depolymerization in a pH-dependent manner. Mutations in this gene cause nemaline myopathy type 7, a form of congenital myopathy. Alternative splicing results in multiple transcript variants. [provided by RefSeq]

Other Designations

cofilin 2

Pathway

- [Axon guidance](#)
- [Axon guidance](#)
- [Fc gamma R-mediated phagocytosis](#)
- [Fc gamma R-mediated phagocytosis](#)
- [Regulation of actin cytoskeleton](#)
- [Regulation of actin cytoskeleton](#)

Disease

- [Spinal Dysraphism](#)