

Cofilin 2 antibody

Catalog No: #22617

Orders: order@signalwayantibody.com

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Description

Product Name	Cofilin 2 antibody
Host Species	Rabbit
Clonality	Polyclonal
Purification	Purified by antigen-affinity chromatography.
Applications	WB IF
Species Reactivity	Hu
Immunogen Type	Recombinant protein
Immunogen Description	Recombinant protein fragment contain a sequence corresponding to a region within amino acids 1 and 127 of Cofilin 2
Target Name	Cofilin 2
Accession No.	Swiss-Prot:Q9Y281Gene ID:1073
Uniprot	Q9Y281
GeneID	1073;
Concentration	0.2mg/ml
Formulation	Supplied in 0.1M Tris-buffered saline with 20% Glycerol (pH7.0). 0.01% Thimerosal was added as a preservative.
Storage	Store at -20°C for long term preservation (recommended). Store at 4°C for short term use.

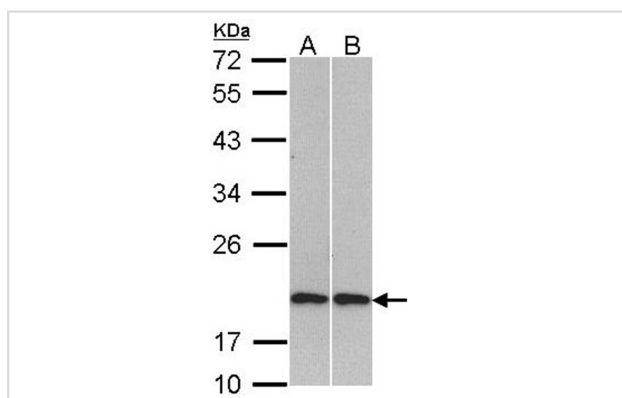
Application Details

Predicted MW: 19kd

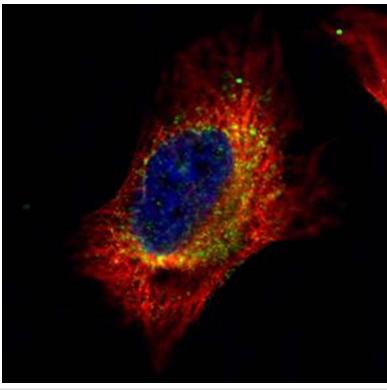
Western blotting: 1:500-1:3000

Immunofluorescence: 1:100-1:200

Images



Sample (30 ug of whole cell lysate)
A: H1299
B: Molt-4
12% SDS PAGE
Primary antibody diluted at 1: 1000



Confocal immunofluorescence analysis (Olympus FV10i) of paraformaldehyde-fixed HeLa, using Cofilin 2 (muscle) antibody (Green) at 1: 500 dilution and alpha-tubulin antibody (Red) at 1: 2500.

Background

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. (Gillett et al., 1996 [PubMed 8800436]). Cofilin-2 is a member of the AC group of proteins that also includes cofilin-1 (CFL1) and destrin (DSTN; MIM 609114), all of which regulate actin-filament dynamics (Bamburg et al., 1999 [PubMed 10461190]; Maciver and Hussey, 2002). The CFL2 gene encodes a skeletal muscle-specific isoform (Vartiainen et al., 2002 [PubMed 11809832]) localized to the thin filaments, where it exerts its effect on actin, in part through interactions with tropomyosins (Ono and Ono, 2002 [PubMed 11901171]).[supplied by OMIM]

Note: This product is for in vitro research use only