

Anti-Cofilin/CFL1 Antibody Picoband® Fluoro647 Conjugated

Catalog Number: PB9620-Fluoro647

About CFL1

Cofilin, a member of the ADF/cofilin family, is actually a protein with 70% sequence homology to ADF, making it part of the ADF/cofilin family of small ADP-binding proteins. It is a ubiquitous actin-binding factor required for the reorganization of actin filaments. The protein is known to sever actin filaments by creating more positive ends on filament fragments, it can cause depolymerization at the minus end of filaments, thereby preventing their reassembly. As a long-lasting in vivo effect, cofilin recycles older ADP-F-actin, helping cell to maintain ATP-G-actin pool for sustained motility. pH, phosphorylation and phosphoinositides regulate cofilin's binding and associating activity with actin.

Overview

Product Name	Anti-Cofilin/CFL1 Antibody Picoband® Fluoro647 Conjugated
Reactive Species	Human, Monkey, Mouse, Rat
Application	Recommended applications are based on the parent unconjugated antibody (IF, IHC, ICC, WB). Customers may select suitable applications according to their experimental needs.
Clonality	Polyclonal
Formulation	Each vial contains 50% glycerol, 0.9% NaCl, 0.2% Na ₂ HPO ₄ , 0.02% Na ₃ N.
Storage Instructions	At -20°C for one year from date of receipt. Avoid repeated freezing and thawing. Protect from light.
Host	Rabbit
Uniprot ID	P23528

Technical Details

Immunogen	A synthetic peptide corresponding to a sequence at the C-terminus of human Cofilin, identical to the related mouse and rat sequences.
Cross Reactivity	No cross-reactivity with other proteins
Isotype	Rabbit IgG
Form	Liquid
Concentration	0.5 mg/mL
Purification	Immunogen affinity purified.
Conjugate	Fluoro647 Excitation Wavelength: 650 nm Emission Wavelength: 665 nm
Suggested Dilutions	Optimal dilutions should be determined by end users.

1 Publications Citing This Product

1. PubMed ID: 30738249, Zhang J,Zhuang R,Zhang X,Hu W,Cheng K,Jiang D,Shen S,Zhang Y,Ding Y,Zhang Y.CD226 is involved in megakaryocyte activation and early-stage differentiation.Mol Immunol.2019 Mar;107:123-131.doi:10.1016/j.molimm.2019.01.013.Epub 2019 Feb 6.PMID:30738249.

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