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antibody and ELISA experts

BOSTER BIOLOGICAL TECHNOLOGY
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Anti-Cofilin 2/CFL2 Antibody Picoband® (monoclonal, 8C13) Biotin Conjugated

Catalog Number: M04773-Biotin

About CFL2

Cofilin 2 (muscle), also known as CFL2, is a protein which in humans is encoded by the CFL2 gene. It is mapped to 14q12. This gene encodes an intracellular protein that is involved in the regulation of actin-filament dynamics. And 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.

Overview

Product Name	Anti-Cofilin 2/CFL2 Antibody Picoband® (monoclonal, 8C13) Biotin Conjugated
Reactive Species	Human, Mouse, Rat
Application	WB, IHC, ELISA
Clonality	Monoclonal 8C13
Formulation	Each vial contains 50% glycerol, 0.9% NaCl, 0.2% Na2HPO4, 0.02% NaN3.
Storage Instructions	At -20˚C for one year from date of receipt. Avoid repeated freezing and thawing.
Host	Mouse
Uniprot ID	Q9Y281

Technical Details

Immunogen	A synthetic peptide corresponding to a sequence at the C-terminus of human Cofilin 2/CFL2, identical to the related mouse sequence.
Cross Reactivity	No cross-reactivity with other proteins.
Isotype	Mouse IgG2b
Form	Liquid
Concentration	0.5 mg/mL
Conjugate	Biotin
Suggested Dilutions	Western blot, Optimal dilutions should be determined by end users. Immunohistochemistry (Paraffin-embedded Section), Optimal dilutions should be determined by end users.

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	ELISA, Optimal dilutions should be determined by end users.

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For Research Use Only. Not for use in diagnostic procedures.