BOSTER BIOLOGICAL TECHNOLOGY
3942 B Valley Ave, Pleasanton, CA 94566
888-466-3604 | support@bosterbio.com | www.bosterbio.com

Anti-Profilin-1 Antibody

Catalog Number: M01480-1

About PFN1

Binds to actin and affects the structure of the cytoskeleton. At high concentrations, profilin prevents the polymerization of actin, whereas it enhances it at low concentrations. By binding to PIP2, it inhibits the formation of IP3 and DG. Inhibits androgen receptor (AR) and HTT aggregation and binding of G-actin is essential for its inhibition of AR.

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Overview

Product Name	Anti-Profilin-1 Antibody
Reactive Species	Human, Mouse, Rat
Description	Boster Bio Anti-Profilin-1 Antibody (Catalog # M01480-1). Tested in WB, Flow Cytometry application(s). This antibody reacts with Human, Mouse, Rat.
Application	Flow Cytometry, WB
Clonality	Polyclonal
Formulation	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide.
Storage Instructions	Maintain refrigerated at 2-8°C for up to 2 weeks. For long-term storage, store at -20°C in small aliquots to prevent freeze-thaw cycles.
Host	Rabbit
Uniprot ID	P07737

Technical Details

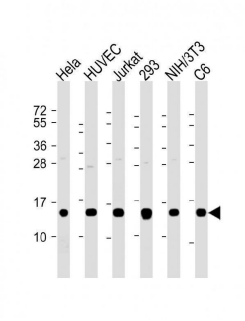
Immunogen	This Profilin-1 antibody is generated from a rabbit immunized with a KLH conjugated synthetic peptide between 108-140 amino acids from the human region of human Profilin-1.
Predicted Reactive Species	Bovine
Isotype	Rabbit IgG
Purification	This antibody is purified through a protein A column, followed by peptide affinity purification.

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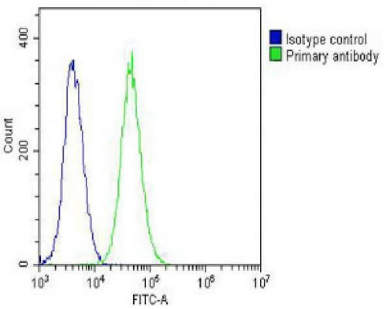
Suggested Dilutions	WB: 1:2000 FC: 1:25 Tested Species: In-house tested species with positive results. Other applications have not been tested. Optimal dilutions should be determined by end users.

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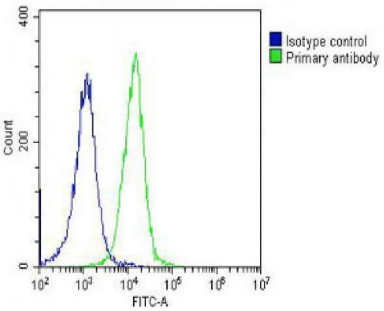
Anti-Profilin-1 Antibody (M01480-1) Images



All lanes : Anti-Profilin-1 Antibody at 1:2000 dilutionLane 1: Hela whole cell lysateLane 2: HUVEC whole cell lysateLane 3: Jurkat whole cell lysateLane 4: 293 whole cell lysateLane 5: NIH/3T3 whole cell lysateLane 6: C6 whole cell lysateLysates/proteins at 20 µg per lane. SecondaryGoat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/10000 dilution. Predicted band size : 15 kDaBlocking/Dilution buffer: 5% NFDM/TBST.



Overlay histogram showing NIH/3T3 cells stained with M01480-1 (green line). The cells were fixed with 2% paraformaldehyde (10 min) and then permeabilized with 90% methanol for 10 min. The cells were then icubated in 2% bovine serum albumin to block non-specific protein-protein interactions followed by the antibody (M01480-1, 1:25 dilution) for 60 min at 37ºC. The secondary antibody used was Goat-Anti-Rabbit IgG, DyLight® 488 Conjugated Highly Cross-Adsorbed at 1/200 dilution for 40 min at 37ºC. Isotype control antibody (blue line) was rabbit IgG (1ug/1x10^6 cells) used under the same conditions. Acquisition of >10, 000 events was performed.



Overlay histogram showing Hela cells stained with M01480-1 (green line). The cells were fixed with 2% paraformaldehyde (10 min) and then permeabilized with 90% methanol for 10 min. The cells were then icubated in 2% bovine serum albumin to block non-specific protein-protein interactions followed by the antibody (M01480-1, 1:25 dilution) for 60 min at 37ºC. The secondary antibody used was Goat-Anti-Rabbit IgG, DyLight® 488 Conjugated Highly Cross-Adsorbed at 1/200 dilution for 40 min at 37ºC. Isotype control antibody (blue line) was rabbit IgG (1g/1x10^6 cells) used under the same conditions. Acquisition of >10, 000 events was performed.

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