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

# Anti-Vinculin Antibody

**Catalog Number:** M01207-2

## About Vcl

Actin filament (F-actin)-binding protein involved in cell-matrix adhesion and cell-cell adhesion. Regulates cell- surface E-cadherin expression and potentiates mechanosensing by the E-cadherin complex. May also play important roles in cell morphology and locomotion (By similarity).

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## Overview

| | |
|---|---|
| Product Name | Anti-Vinculin Antibody |
| Reactive Species | Human, Mouse, Rat |
| Description | Boster Bio Anti-Vinculin Antibody (Catalog # M01207-2). Tested in WB, Flow Cytometry, IHC-P application(s). This antibody reacts with Human, Mouse, Rat. |
| Application | Flow Cytometry, IHC-P, 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 | Q64727 |

## Technical Details

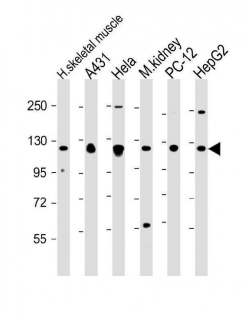
| | |
|---|---|
| Immunogen | This antibody is generated from a rabbit immunized with a KLH conjugated synthetic peptide between 903-937 amino acids from mouse. |
| Predicted Reactive Species | Rat |
| Isotype | Rabbit IgG |
| Purification | This antibody is purified through a protein A column, followed by peptide affinity purification. |
| Suggested Dilutions | WB: 1:2000 |

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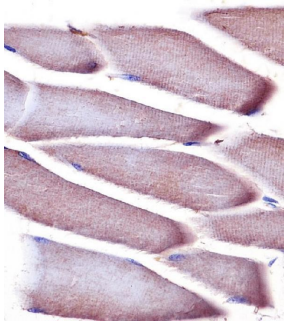
| | |
|---|---|
| | IHC-P: 1:25<br>FC: 1:25<br>Tested Species: In-house tested species with positive results. Other applications have not been tested. Optimal dilutions should be determined by end users. |

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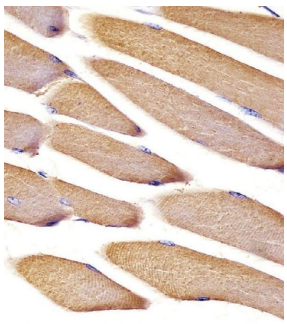
# Anti-Vinculin Antibody (M01207-2) Images



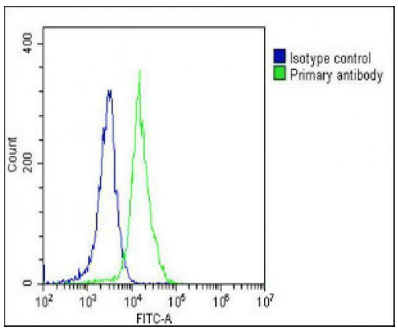

All lanes : Anti-Vinculin at 1:2000 dilutionLane 1: human skeletal muscle lysateLane 2: A431 whole cell lysateLane 3: Hela whole cell lysateLane 4: mouse kidney lysateLane 5: PC-12 whole cell lysateLane 6: HepG2 whole cell lysateLysates/proteins at 20 µg per lane. SecondaryGoat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/10000 dilution. Predicted band size : 117 kDaBlocking/Dilution buffer: 5% NFDM/TBST.



M01207-2 staining Vinculin in mouse skeletal muscle tissue sections by Immunohistochemistry (IHC-P - paraformaldehyde-fixed, paraffin-embedded sections). Tissue was fixed with formaldehyde and blocked with 3% BSA for 0. 5 hour at room temperature; antigen retrieval was by heat mediation with a citrate buffer (pH6). Samples were incubated with primary antibody (1/25) for 1 hours at 37°C. A undiluted biotinylated goat polyvalent antibody was used as the secondary antibody.



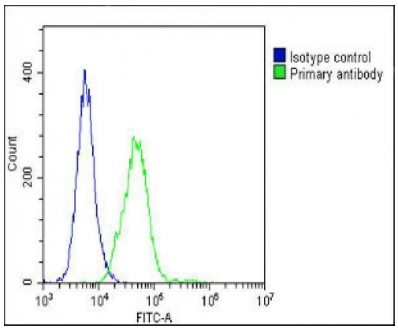
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Overlay histogram showing NIH/3T3 cells stained with M01207-2 (green line). The cells were fixed with 2% paraformaldehyde (10 min) and then permeabilized with 90% methanol for 10 min. The cells were then icubated in 2% bovine serum albumin to block non-specific protein-protein interactions followed by the antibody (M01207-2, 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 IgG1 (1g/1x10^6 cells) used under the same conditions. Acquisition of >10, 000 events was performed.

Overlay histogram showing C2C12 cells stained with M01207-2 (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-

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