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

Anti-Vinculin/VCL Antibody Picoband®

Catalog Number: A01207

About VCL

Vinculin is a cytoskeletal protein associated with cell-cell and cell-matrix junctions, where it is thought to function as one of several interacting proteins involved in anchoring F-actin to the membrane. Defects in VCL are the cause of cardiomyopathy dilated type 1W. Dilated cardiomyopathy is a disorder characterized by ventricular dilation and impaired systolic function, resulting in congestive heart failure and arrhythmia. Multiple alternatively spliced transcript variants have been found for this gene, but the biological validity of some variants has not been determined.

Submit a product review to Biocompare.com





Submit a review of this product to Biocompare.com to receive a $20 Amazon.com giftcard! Your reviews help your fellow scientists make the right decisions. Thank you for your contribution.

Overview

Product Name	Anti-Vinculin/VCL Antibody Picoband®
Reactive Species	Human, Mouse, Rat
Description	Boster Bio Anti-Vinculin/VCL Antibody Picoband® catalog # A01207. Tested in WB applications. This antibody reacts with Human, Mouse, Rat. The brand Picoband indicates this is a premium antibody that guarantees superior quality, high affinity, and strong signals with minimal background in Western blot applications. Only our best-performing antibodies are designated as Picoband, ensuring unmatched performance.
Application	WB
Clonality	Polyclonal
Formulation	Each vial contains 4 mg Trehalose, 0.9 mg NaCl and 0.2 mg Na2HPO4.
Storage Instructions	Store at -20˚C for one year from date of receipt. After reconstitution, at 4˚C for one month. It can also be aliquotted and stored frozen at -20˚C for six months. Avoid repeated freeze-thaw cycles.
Host	Rabbit
Uniprot ID	P18206

Technical Details

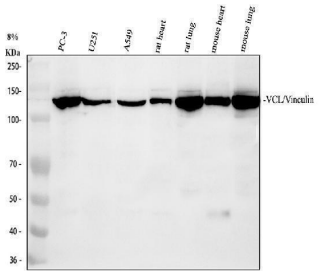
Immunogen	E.coli-derived human Vinculin recombinant protein (Position: E930-Q1134). Human Vinculin shares 87.7% amino acid (aa) sequence identity with both mouse and rat Vinculin.
Recommended Detection Systems	Boster recommends ECL Plus Western Blotting Substrate (Catalog # AR1196-200) for Western

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

	blot.
Cross Reactivity	No cross-reactivity with other proteins.
Isotype	Rabbit IgG
Form	Lyophilized
Concentration	Adding 0.2 ml of distilled water will yield a concentration of 500 ug/ml.
Purification	Immunogen affinity purified.
Suggested Dilutions	Western blot, 0.1-0.5ug/ml, Human, Mouse, Rat

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

Anti-Vinculin/VCL Antibody Picoband® (A01207) Images



Western blot analysis of Vinculin using anti-Vinculin antibody (A01207). Electrophoresis was performed on a 8% SDS-PAGE gel at 80V (Stacking gel) / 120V (Resolving gel) for 2 hours. The sample well of each lane was loaded with 30 ug of sample under reducing conditions. Lane 1: human PC-3 whole cell lysates, Lane 2: human U251 whole cell lysates, Lane 3: human A549 whole cell lysates, Lane 4: rat heart tissue lysates, Lane 5: rat lung tissue lysates, Lane 6: mouse heart tissue lysates, Lane 7: mouse lung tissue lysates. After electrophoresis, proteins were transferred to a nitrocellulose membrane at 150 mA for 50-90 minutes. Blocked the membrane with 5% non-fat milk/TBS for 1.5 hour at RT. The membrane was incubated with rabbit anti-Vinculin antigen affinity purified polyclonal antibody (A01207) at 0.5 ug/mL overnight at 4°C, then washed with TBS-0.1%Tween 3 times with 5 minutes each and probed with a goat anti-rabbit IgG-HRP secondary antibody (Catalog # BA1054) at a dilution of 1:5000 for 1.5 hour at RT. The signal is developed using an ECL Plus Western Blotting Substrate (Catalog # AR1196-200) with Tanon 5200 system. A specific band was detected for Vinculin at approximately 124 kDa. The expected band size for Vinculin is at 124 kDa.

6 Publications Citing This Product

1. PubMed ID: 30873379, Wang K,Xing ZH,Jiang QW,Yang Y,Huang JR,Yuan ML,Wei MN,Li Y,Wang ST,Liu K,Shi Z.Targeting uPAR by CRISPR/Cas9 System Attenuates Cancer Malignancy and Multidrug Resistance.Front Oncol.2019 Feb 27;9:80.doi:10.3389/fonc.2019.00080.PMID:30873379;PMCID:PMC6400983.

2. PubMed ID: 32247806, Dong Y,Chen Y,Zhu D,Shi K,Ma C,Zhang W,Rocchi P,Jiang L,Liu X.Self-assembly of amphiphilic phospholipid peptide dendrimer-based nanovectors for effective delivery of siRNA therapeutics in prostate cancer therapy.J Control Release.2020 Jun 10;322:416-425.d

3. PubMed ID: 25888745, Su F,, Liu Ss,, Ma Jl, Wang Ds, E Ll, Liu Hc. Stem Cell Res Ther. 2015 Mar 12;6:22. Doi: 10.1186/S13287-015-0023-3. Enhancement Of Periodontal Tissue Regeneration By Transplantation Of Osteoprotegerin-Engineered Periodontal Ligament Stem Cells.

Visit bosterbio.com/anti-vinculin-picoband-trade-antibody-a01207-boster.html to see all 6 publications.

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