BOSTER BIOLOGICAL TECHNOLOGY
3942 B Valley Ave, Pleasanton, CA 94566
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Anti-Vinculin/VCL Antibody Picoband®

Catalog Number: PA1781

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.

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Overview

Product Name	Anti-Vinculin/VCL Antibody Picoband®
Reactive Species	Mouse
Description	Boster Bio Anti-Vinculin/VCL Antibody catalog # PA1781. Tested in IHC, WB applications. This antibody reacts with Mouse. 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	IHC, WB
Clonality	Polyclonal
Formulation	Each vial contains antibody formulated with stabilizing components, 0.9mg NaCl, 0.2mg Na2HPO4, 0.05mg Thimerosal, 0.05mg NaN3. *This antibody is supplied in a stabilized formulation. Compatibility with conjugation reactions depends on the chemistry of the conjugation method used. For conjugation methods that are not compatible with the stabilizing components present in this formulation, a carrier-free antibody format is required.
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

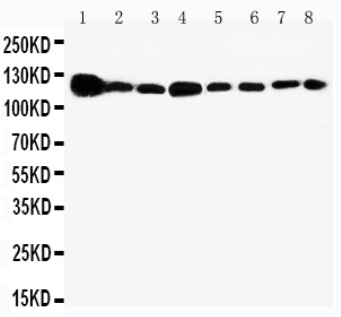
Technical Details

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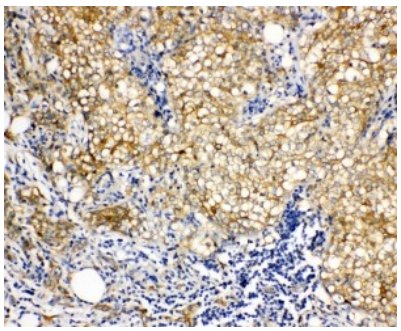
Immunogen	A synthetic peptide corresponding to a sequence at the N-terminus of human Vinculin, identical to the related rat and mouse sequences.
Recommended Detection Systems	Boster recommends Enhanced Chemiluminescent Kit with anti-Rabbit IgG (EK1002) for Western blot, and HRP Conjugated anti-Rabbit IgG Super Vision Assay Kit (SV0002-1) for IHC(P).
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	Immunohistochemistry (Paraffin-embedded Section), 0.5-1ug/ml, Human, Rat, Mouse Western blot, 0.1-0.5ug/ml, Human, Mouse, Rat

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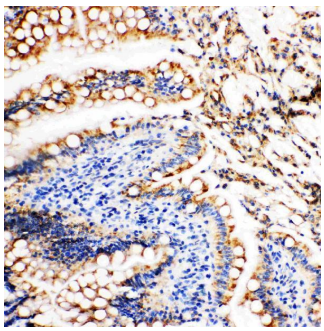
Anti-Vinculin/VCL Antibody Picoband® (PA1781) Images



Anti-Vinculin antibody, PA1781, Western blottingLane 1: Rat Heart Tissue Lysate Lane 2: Rat Brain Tissue Lysate Lane 3: Rat Liver Tissue Lysate Lane 4: U87 Cell Lysate Lane 5: SMMC Cell Lysate Lane 6: HEPA Cell Lysate Lane 7: HELA Cell Lysate Lane 8: HT1080 Cell Lysate



Anti-Vinculin antibody, PA1781, IHC(P)IHC(P): Human Mammary Cancer Tissue



Anti-Vinculin antibody, PA1781, IHC(P)IHC(P): Rat Intestine Tissue

6 Publications Citing This Product

1. 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.

2. PubMed ID: 25839041, Shen Z, Lu D, Li Q, Zhang Z, Zhu Y. Biomed Res Int. 2015;2015:871202. Doi: 10.1155/2015/871202. Epub 2015 Mar 8. Synthesis And Characterization Of Biodegradable Polyurethane For Hypopharyngeal Tissue Engineering.

3. PubMed ID: 24839204, Lyu Z, Wang H, Wang Y, Ding K, Liu H, Yuan L, Shi X, Wang M, Wang Y, Chen H. Nanoscale. 2014 Jun 21;6(12):6959-69. Doi: 10.1039/C4Nr01540A. Maintaining The Pluripotency Of Mouse Embryonic Stem Cells On Gold Nanoparticle Layers With Nanoscale But N...

Visit bosterbio.com/anti-vinculin-antibody-pa1781-boster.html to see all 6 publications.

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