

## Anti-Vinculin/VCL Antibody Picoband® Cy3 Conjugated

Catalog Number: A01207-Cy3

### 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.

### Overview

Product Name	Anti-Vinculin/VCL Antibody Picoband® Cy3 Conjugated
Reactive Species	Human, Mouse, Rat
Application	Recommended applications are based on the parent unconjugated antibody (WB). Customers may select suitable applications according to their experimental needs.
Clonality	Polyclonal
Formulation	Each vial contains 50% glycerol, 0.9% NaCl, 0.2% Na <sub>2</sub> HPO <sub>4</sub> , 0.02% Na <sub>3</sub> .
Storage Instructions	At -20°C for one year from date of receipt. Avoid repeated freezing and thawing. Protect from light.
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.
Cross Reactivity	No cross-reactivity with other proteins.
Isotype	Rabbit IgG
Form	Liquid
Concentration	0.5 mg/mL
Purification	Immunogen affinity purified.
Conjugate	Cy3 Excitation Wavelength: 554 nm Emission Wavelength: 568 nm
Suggested Dilutions	Optimal dilutions should be determined by end users.

## 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: 29312635, Yao Q, An Y, Hou W, Cao YN, Yao MF, Ma NN, Hou L, Zhang H, Liu HJ, Zhang B. Oncotarget. 2017 Nov 30;8(65):109632-109645. doi: 10.18632/oncotarget.22759. eCollection 2017 Dec 12. LRP6 promotes invasion and metastasis of colorectal cancer through cy...

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