

VCL / Vinculin Antibody (C-Terminus)
Rabbit Polyclonal Antibody
Catalog # ALS16773**Specification**

VCL / Vinculin Antibody (C-Terminus) - Product Information

Application	IHC, IHC-P, IF, WB
Primary Accession	P18206
Other Accession	7414
Reactivity	Human, Mouse, Rat
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Calculated MW	123799

VCL / Vinculin Antibody (C-Terminus) - Additional Information**Gene ID** 7414**Other Names**

VCL, CMD1W, CMH15, Metavinculin, Vinculin, MVCL

Target/Specificity

Vinculin antibody is human, mouse and rat specific. At least three isoforms of Vinculin are known to exist.

Reconstitution & Storage

PBS, 0.02% sodium azide. Long term: -20°C; Short term: +4°C. Avoid repeat freeze-thaw cycles.

Precautions

VCL / Vinculin Antibody (C-Terminus) is for research use only and not for use in diagnostic or therapeutic procedures.

VCL / Vinculin Antibody (C-Terminus) - Protein Information**Name** VCL**Function**

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.

Cellular Location

Cell membrane {ECO:0000250|UniProtKB:P12003}; Peripheral membrane protein {ECO:0000250|UniProtKB:P12003}; Cytoplasmic side {ECO:0000250|UniProtKB:P12003}. Cell junction, adherens junction {ECO:0000250|UniProtKB:P12003}. Cell junction, focal adhesion {ECO:0000250|UniProtKB:P12003}. Cytoplasm, cytoskeleton {ECO:0000250|UniProtKB:P85972}. Cell membrane, sarcolemma {ECO:0000250|UniProtKB:Q64727}; Peripheral membrane protein

{ECO:0000250|UniProtKB:Q64727}; Cytoplasmic side {ECO:0000250|UniProtKB:Q64727}. Cell projection, podosome {ECO:0000250|UniProtKB:Q64727}. Note=Recruitment to cell-cell junctions occurs in a myosin II-dependent manner. Interaction with CTNNB1 is necessary for its localization to the cell-cell junctions {ECO:0000250|UniProtKB:P12003}

Tissue Location

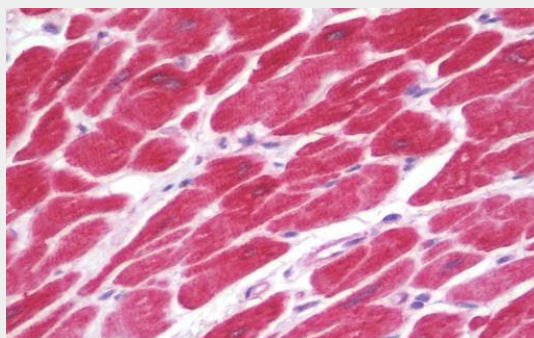
Metavinculin is muscle-specific.

VCL / Vinculin Antibody (C-Terminus) - Protocols

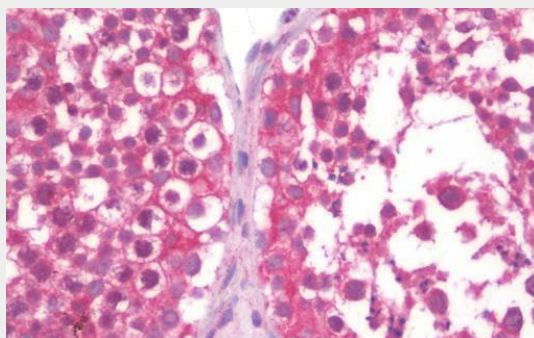
Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

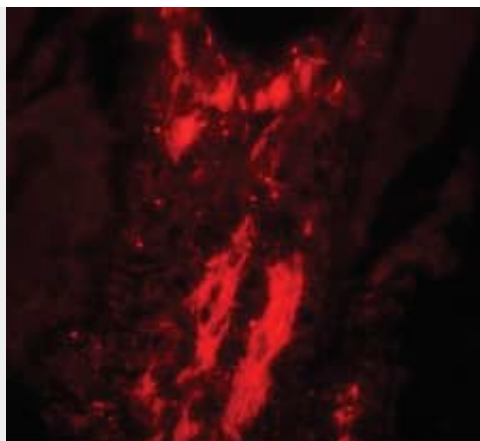
VCL / Vinculin Antibody (C-Terminus) - Images



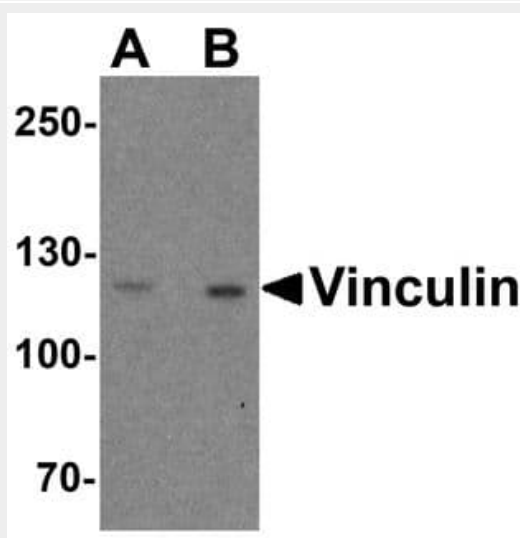
Anti-VCL / Vinculin antibody IHC staining of human heart.



Human Testis: Formalin-Fixed, Paraffin-Embedded (FFPE)



Immunofluorescence of Vinculin in rat small intestine tissue with Vinculin antibody at 20 ug/ml.



Western blot analysis of Vinculin in PC-3 cell lysate with Vinculin antibody at (A) 1 and (B) 2...

VCL / Vinculin Antibody (C-Terminus) - Background

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.

VCL / Vinculin Antibody (C-Terminus) - References

- Weller P.A.,et al.Proc. Natl. Acad. Sci. U.S.A. 87:5667-5671(1990).
- Bechtel S.,et al.BMC Genomics 8:399-399(2007).
- Deloukas P.,et al.Nature 429:375-381(2004).
- Moiseyeva E.P.,et al.J. Biol. Chem. 268:4318-4325(1993).
- Lubec G.,et al.Submitted (DEC-2008) to UniProtKB.