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VCL / Vinculin Antibody (aa786-835)

Rabbit Polyclonal Antibody

Catalog # ALS14239

Specification

VCL / Vinculin Antibody (aa786-835) - Product Information

Application	**IF, WB, IHC**
Primary Accession	P18206
Reactivity	**Human, Mouse, Rat**
Host	**Rabbit**
Clonality	**Polyclonal**
Calculated MW	**124kDa KDa**

VCL / Vinculin Antibody (aa786-835) - Additional Information

Gene ID 7414

Other Names
Vinculin, Metavinculin, MV, VCL

Target/Specificity
Vinculin (Ab-821) Antibody detects endogenous levels of total Vinculin protein.

Reconstitution & Storage
Short term 4°C, long term aliquot and store at -20°C, avoid freeze thaw cycles.

Precautions
VCL / Vinculin Antibody (aa786-835) is for research use only and not for use in diagnostic or therapeutic procedures.

VCL / Vinculin Antibody (aa786-835) - 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.

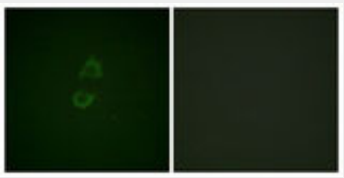
Volume
50 µl

VCL / Vinculin Antibody (aa786-835) - Protocols

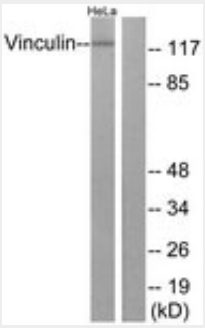
Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

VCL / Vinculin Antibody (aa786-835) - Images

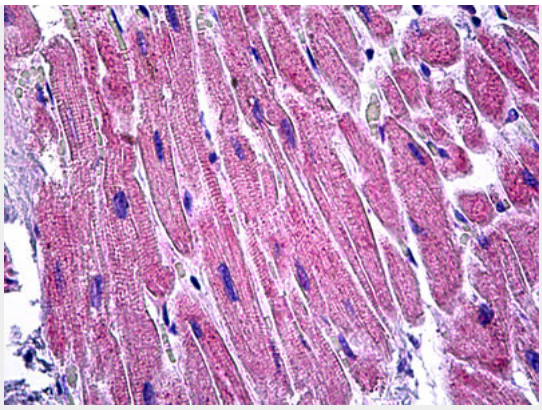


Immunofluorescence of A549 cells, using Vinculin Antibody.

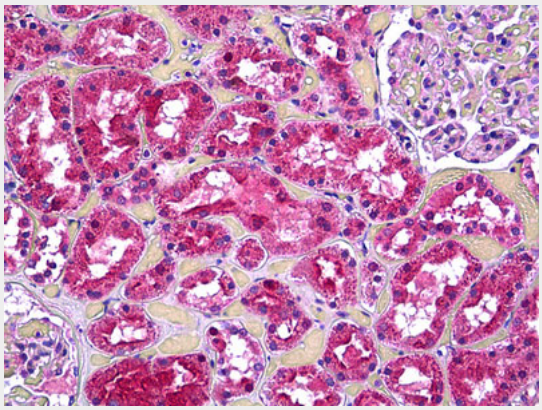


Western blot of extracts from HeLa cells, treated with forskolin 40 nM 30 minutes, using...

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Anti-Vinculin antibody IHC of human heart.



Anti-Vinculin antibody IHC of human kidney, tubules.

VCL / Vinculin Antibody (aa786-835) - 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 (aa786-835) - 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.