

Mouse Vinculin Monoclonal Antibody | anti-VCL antibody

Vinculin Monoclonal Antibody

CATALOG # AAA22339	HOST Mouse	REACTIVITY Human, Mouse, Rat	APPLICATIONS Western Blot, Immunohistochemistry, Immunofluorescence
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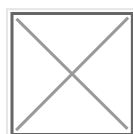
PRODUCT SYNONYMS

Vinculin; Monoclonal Antibody; Vinculin Monoclonal Antibody; Metavinculin (MV); VCL; anti-VCL antibody

PRODUCT SPECIFICATIONS

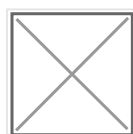
Host	Mouse
Reactivity	Human, Mouse, Rat
Clonality	Monoclonal
Isotype	IgG1
Clone Number	4D4
Purity/Purification	Protein A/G Purification
Form/Format	PBS with 0.02% sodium azide, 1% protective protein and 50% glycerol, pH 7.4
Concentration	1mg/mL (varies by lot)
Applicable Applications for anti-VCL antibody	WB (Western Blot), IHC (Immunohistochemistry), IF (Immunofluorescence)
Application Notes	WB: 1:2000-1:4000 IHC: 1:200-1:400 IF: 1:200-1:400
Immunogen	Recombinant human Vinculin protein expressed by E coli
Preparation and Storage	Store at -20 degree C Valid for 12 months. Avoid freeze/thaw cycles. Protected from prolonged exposure to light.

IMAGES



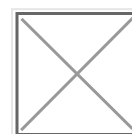
IF (Immunofluorescence)

Immunofluorescence analysis of C6 cells using Vinculin Monoclonal Antibody at dilution of 1:200.



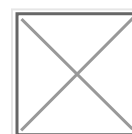
IF (Immunofluorescence)

Immunofluorescence analysis of HeLa cells using Vinculin Monoclonal Antibody at dilution of 1:200.



IF (Immunofluorescence)

Immunofluorescence analysis of NIH/3T3 cells using Vinculin Monoclonal Antibody at dilution of 1:200.



IHC (Immunohistochemistry)

Immunohistochemistry of paraffin-embedded Human colon cancer using Vinculin Monoclonal Antibody at dilution of 1:1000.

**IHC (Immunohistochemistry)**

Immunohistochemistry of paraffin-embedded Human breast cancer using Vinculin Monoclonal Antibody at dilution of 1:1000.

**WB (Western Blot)**

Western blot with Anti Vinculin Monoclonal Antibody at dilution of 1:3000. Lane 1: HeLa cell lysate, Lane 2: 293 cell lysate, Lane 3: Hep G2 cell lysate, Lane 4: NIH/3T3 cell lysate, Lane 5: Mouse heart tissue lysate, Lane 6: Rat heart tissue lysate.

ADDITIONAL INFORMATION

Related Product Information for anti-VCL antibody	Vinculin belongs to the vinculin/alpha-catenin family. It is an actin filament (F-actin)-binding protein which involved in cell-matrix adhesion and cell-cell adhesion. Vinculin regulates cell-surface E-cadherin expression and potentiates mechanosensing by the E-cadherin complex. It may also play important roles in cell morphology and locomotion. Vinculin is a 117-kDa, 1, 066-amino-acid protein which is ubiquitously expressed. Its splice variant, metavinculin (124 kDa), is muscle-specific.
Product Categories/Family for anti-VCL antibody	Primary Antibodies ; Tags/Controls Antibodies ; Cardiovascular ; Signal Transduction ; Isotype/Loading Controls ; Epigenetics and Nuclear Signaling

NCBI AND UNIPROT INFORMATION

NCBI GI #	4507877
NCBI GeneID	7414
NCBI Accession #	NP_003364.1
NCBI GenBank Nucleotide #	NM_003373.3
UniProt Accession #	P18206 ; Q16450 ; Q5SWX2 ; Q7Z3B8 ; Q8IXU7
Molecular Weight	123,799 Da
NCBI Official Full Name	vinculin isoform VCL
NCBI Official Synonym Full Names	vinculin
NCBI Official Symbol	VCL
NCBI Official Synonym Symbols	MV; MVCL; CMD1W; CMH15
NCBI Protein Information	vinculin; metavinculin
UniProt Protein Name	Vinculin
UniProt Gene Name	VCL
UniProt Synonym Gene Names	MV
UniProt Entry Name	VINC_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/monoclonal/vinculin-antibody-clone-4d4-western-blot-immunohistochemistry-immunofluorescence-elisa/22339>