Rabbit anti-Human Vinculin Polyclonal Antibody | anti-VCL antibody

Vinculin Rabbit pAb

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA283315	**Rabbit**	**Human**	**ELISA, Immunocytochemistry, Immunofluorescence, Western Blot**

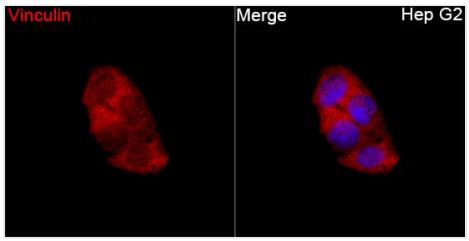
PRODUCT SYNONYMS

Vinculin; Polyclonal Antibody; Vinculin Rabbit pAb; MV; MVCL; CMD1W; CMH15; HEL114; anti-VCL antibody

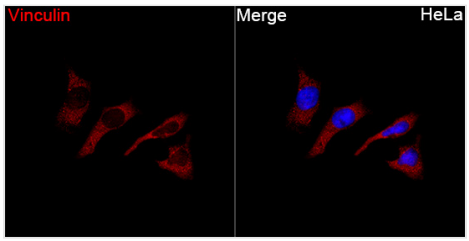
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Isotype	IgG
Purity/Purification	Affinity purification
Form/Format	PBS with 0.05% proclin300, 50% glycerol, pH7.3.
Sequence	MPVFHTRTIE SILEPVAQQI SHLVIMHEEG EVDGKAIPDL TAPVAAVQAA VSNLVRVGKE TVQTTEDQIL KRDMPPAFIK VENACTKLVQ AAQMLQSDPY SVPARDYLID GSRGILSGTS DLLLTFDEAE VRKIIRVCKG ILEYLTVAEV VETMEDLVTY TKNLGPGMTK MAKMIDERQQ ELTHQEHRVM LVNSMNTVKE LLPVLISAMK IFVTTKNSKN QGIEEALKNR NFTVEKMSAE INEIIRVLQL TSWDEDAW
Applicable Applications for anti-VCL antibody	ELISA, ICC (Immunocytochemistry), IF (Immunofluorescence), WB (Western Blot)
Cross Reactivity	Human, Mouse, Rat
Immunogen	Recombinant fusion protein containing a sequence corresponding to amino acids 1-258 of human Vinculin (NP_054706.1).
Preparation and Storage	Store at -20 degree C. Avoid freeze/thaw cycles.

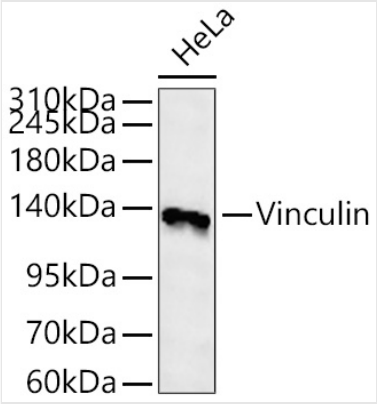
IMAGES



IF (Immunofluorescence)
Immunofluorescence analysis of Hep G2 cells using Vinculin Rabbit pAb (AAA283315) at a dilution of (40x lens). Secondary antibody: Cy3-conjugated Goat anti-Rabbit IgG (H+L) (AS007) at 1:500 dilution. Blue: DAPI for nuclear staining.



IF (Immunofluorescence)
Immunofluorescence analysis of HeLa cells using Vinculin Rabbit pAb (AAA283315) at a dilution of 1:100 (40x lens). Secondary antibody: Cy3-conjugated Goat anti-Rabbit IgG (H+L) (AS007) at 1:500 dilution. Blue: DAPI for nuclear staining.



WB (Western Blot)
Western blot analysis of lysates from HeLa cells using Vinculin Rabbit pAb (AAA283315) at 1:1000 dilution incubated overnight at 4?.Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.Lysates/proteins: 25 ug per lane.Blocking buffer: 3% nonfat dry milk in TBST.Detection: ECL Basic Kit (RM00020).Exposure time: 45s.

ADDITIONAL INFORMATION

Related Product Information for anti-VCL antibody	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.
Product Categories/Family for anti-VCL antibody	Signal Transduction; Cell Biology Developmental Biology; Cytoskeleton; Microfilaments; Actins; Cardiovascular; Heart; Contractility; Cardiac arrhythmias; Antibodies

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	Calculated MW: 124kDa Observed MW: 130kDa
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://www.aaabiotech.com/polyclonal/vinculin-antibody-immunocytochemistry-immunofluorescence-western-blot-elisa/283315