

ARG66958 anti-Vinculin antibody

Package: 100 µl
Store at: -20°C

Summary

Product Description	Rabbit Polyclonal antibody recognizes Vinculin
Tested Reactivity	Hu, Ms
Predict Reactivity	Rat
Tested Application	ICC/IF, IHC-P, WB
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Target Name	Vinculin
Species	Human
Immunogen	Synthetic peptide around the middle region of Human Vinculin.
Conjugation	Un-conjugated
Alternate Names	HEL114; Metavinculin; CMH15; Vinculin; CMD1W; MV; MVCL

Application Instructions

Application table	Application	Dilution
	ICC/IF	1:200–1:500
	IHC-P	1:200 - 1:300
	WB	1:2000 - 1:4000
Application Note	* The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.	
Observed Size	125 kDa	

Properties

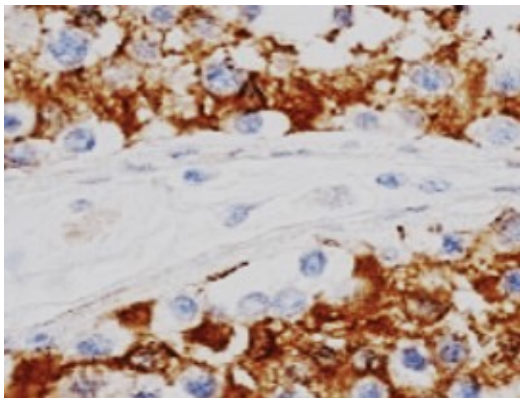
Form	Liquid
Purification	Affinity purified.
Buffer	100 mM Tris Glycine (pH 7.0), 0.025% ProClin 300 and 20% Glycerol.
Preservative	0.025% ProClin 300
Stabilizer	20% Glycerol
Storage instruction	For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C or below. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use.

Note For laboratory research only, not for drug, diagnostic or other use.

Bioinformation

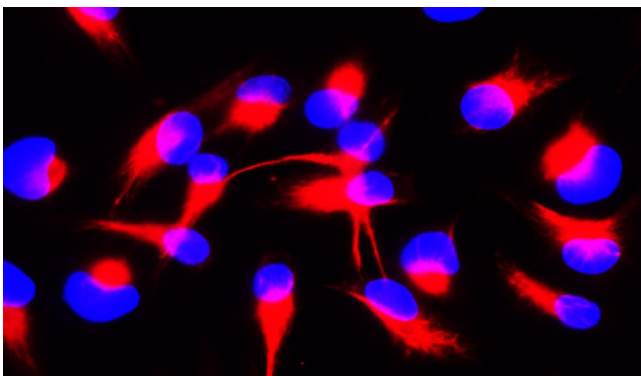
Gene Symbol	VCL
Gene Full Name	vinculin
Background	Vinculin is a cytoskeletal protein associated with cell-cell and cell-matrix junctions, where it is thought to function as one of several interacting proteins involved in anchoring F-actin to the membrane. Defects in VCL are the cause of cardiomyopathy 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. [provided by RefSeq, Jul 2008]
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. [UniProt]
Research Area	Cell Biology and Cellular Response antibody; Controls and Markers antibody; Signaling Transduction antibody; Loading Control antibody; Loading Control antibody for cytoplasmic fraction; High MW loading control antibody
Calculated Mw	124 kDa
PTM	Phosphorylated; on serines, threonines and tyrosines. Phosphorylation on Tyr-1133 in activated platelets affects head-tail interactions and cell spreading but has no effect on actin binding nor on localization to focal adhesion plaques (By similarity). Acetylated; mainly by myristic acid but also by a small amount of palmitic acid.

Images



ARG66958 anti-Vinculin antibody IHC-P image

Immunohistochemistry: Paraffin-embedded mouse testis tissue stained with ARG66958 anti-Vinculin antibody at 1:300 dilution.



ARG66958 anti-Vinculin antibody ICC/IF image image

Immunofluorescence: Formalin-fixed DBTRG cells were permeabilized with 0.1% NP-40 in TBS for 10 minutes and blocked with 5% BSA-PBS for 30 minutes at room temperature. Cells were stained ARG66958 anti-Vinculin antibody at 1:200 dilution.

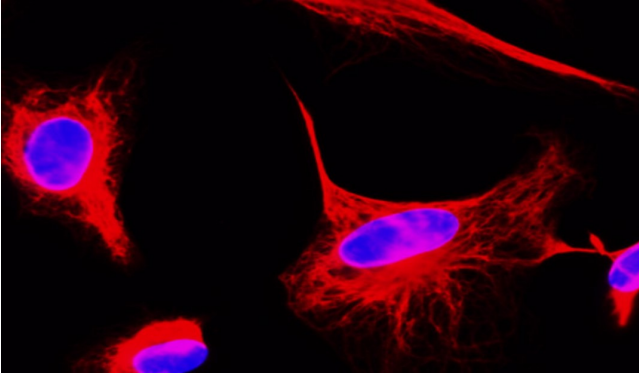
ARG66958 anti-Vinculin antibody WB image image

Western blot: Mouse liver stained with ARG66958 anti-Vinculin antibody at 1:3000 dilution, overnight at 4°C.



ARG66958 anti-Vinculin antibody ICC/IF image image

Immunofluorescence: Formalin-fixed HUVEC cells were permeabilized with 0.1% NP-40 in TBS for 10 minutes and blocked with 5% BSA-PBS for 30 minutes at room temperature. Cells were stained ARG66958 anti-Vinculin antibody at 1:200 dilution.



ARG66958 anti-Vinculin antibody WB image image

Western blot: HepG2 and HeLa cells stained with ARG66958 anti-Vinculin antibody at 1:3000 dilution, overnight at 4°C.

