

Product Name: KD-Validated Vinculin Rabbit Polyclonal Antibody**Catalog #: KVA00441**

For research use only.

Summary

Description	KO&KD-Validated antibody
Host	Rabbit
Application	WB
Reactivity	Human,Mouse,Rat
Conjugation	Unconjugated
Modification	Unmodified
Isotype	Rabbit IgG
Clonality	Rabbit pAb
Form	Liquid
Storage	Aliquot and store at -20°C (valid for 12 months). Avoid freeze/thaw cycles.
Shipping	Ice bags
Buffer	Supplied in PBS (pH 7.4) containing 50% glycerol, and 0.02% sodium azide.
Purification	Affinity purification

Application

Dilution Ratio	WB 1:500-1:2,500
Molecular Weight	Calculated MW: 123.8kDa

Antigen Information

Gene Name	VCL
Alternative Names	VCL; Vinculin; Metavinculin; VINC; MV; Epididymis Secretory Sperm Binding Protein; Epididymis Luminal Protein 114; Meta-Vinculin; HEL114; CMD1W; CMH15; MVCL
Gene ID	7414.0
SwissProt ID	P18206
Immunogen	A synthesized peptide derived from human Vinculin

Background

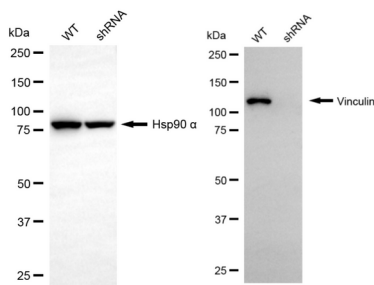
Vinculin is a cytoskeletal protein associated with cell-cell and cell-matrix junctions, where it is thought to function as one of several interacting proteins involved in anchoring F-actin to the membrane. Defects in VCL are the cause of cardiomyopathy dilated type 1W. Dilated cardiomyopathy is a disorder 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]

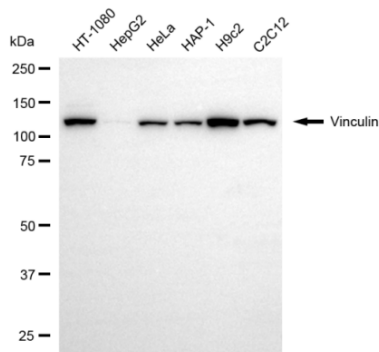
Research Area

Signal Transduction, Cardiovascular, Isotype/Loading Controls

Image Data



Western blotting analysis using vinculin antibody (KVA00441). Vinculin expression in wild-type (WT) and vinculin (VCL) shRNA knockdown (KD) HeLa cells with 20 μ g of total cell lysates. Hsp90 α serves as a loading control. The blot was incubated with vinculin antibody (KVA00441, 1:2,500) and HRP-conjugated goat anti-rabbit secondary antibody (APS0635, 1:10,000) respectively.



Western blotting analysis using vinculin antibody (KVA00441). Total cell lysates (30 μ g) from various cell lines were loaded and separated by SDS-PAGE. The blot was incubated with vinculin antibody (KVA00441, 1:2,500) and HRP-conjugated goat anti-rabbit secondary antibody (APS0635, 1:10,000) respectively.