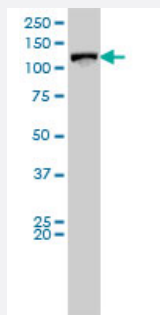


VCL monoclonal antibody (M01A), clone S3

Catalog # H00007414-M01A

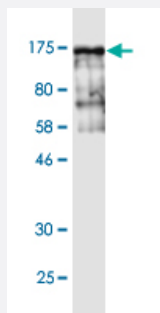
Size 200 uL

Applications



Western Blot (Cell lysate)

VCL monoclonal antibody (M01A), clone 2C6-1B5 Western Blot analysis of VCL expression in HeLa (Cat # L013V1).



Western Blot detection against Immunogen (143 KDa) .

Specification

Product Description

Mouse monoclonal antibody raised against a full-length recombinant VCL.

Immunogen

VCL (AAH39174.1, 1 a.a. ~ 1066 a.a) full-length recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.

Sequence

MPVFHTRTIESILEPVAQQISHLVIMHEEGEVDGKAIPDLTAPVAAVQAAVSNLVRVGKETVQTTE
 QILKRDMPPAFIKVENACTKLVQAAQMLQSDPYSPARDYLIDSGRILSGTSDLLLTDFDEAEVRKII
 RVCKGILEYLTVAEVVETMEDLVITYTKNLGPGMTKMAKMIDERQQELTHQEHRVMLVNSMNTVKE
 LLPVLISAMKIFVTTKNSKNQGIEEALKNRNFTLEKMSAEINEIIRVLQLTSWDEDAWASKDTEAMK
 RALASIDSKLNQAKGWLDPSPASPGDAGEQAIRQILDEAGKVGELCAGKERREILGTCKMLGQMT
 DQVADLRARGQGSSPVAMQKAQQVSQGLDVLTAQVNAARKLEAMTNSKQSIKKIDAAQNLW
 ADPNGGPEGEEQIRGALAEARKIAELCDDPKERDDILRSLGEISALTSKLADLRRQGKGDSPEAR
 ALAKQVATALQNLQTKTNRAVANSRPAKAAVHLEGKIEQAQRWIDNPTVDDRGVQAAIRGLVAE
 GHRLANVMMGPYRQDLLAKCDRVDQLTAQLADLAARGESESPQARALASQLQDSLKDLKARM
 QEAMTQEVSDVFSDTTPIKLLAVAATAPPDAPNREEVFDERAANFENHSGKLGATAEKAAAVG
 TANKSTVEGIQASVKTARELTPQVVSARILLRNPNGNQAAYEHFETMKNQWIDNVEKMTGLVDEAI
 DTKSLLDASEEAIKKDLCKKVAMANIQQPMLVAGATSIARRANRILLVAKREVENSEDPKFREAV
 KAASDELSKTISPMVMDAKAVAGNISDPGLQKSFLDSGYRILGAVAKVREAFQPQEPDFPPPPP
 DLEQLRLTDELAPPKPPLPEGEVPPPRPPPEEKDEEFPEQKAGEVINQPMMAARQLHDEAR
 KWSSKGNIDIAAAKRMALLMAEMSRLVRGGSGTKRALIQCAKDIKASDEVTRLAKEVAKQCTDK
 RIRTNLLQVCERIPTISTQLKILSTVKATMLGRTNISDEESEQATEMLVHNAQNLMSVKETVREAEA
 ASIKIRTDAGFTLRWVRKTPWYQ

Host Mouse

Reactivity Human

Interspecies Antigen Sequence Mouse (99); Rat (99)

Isotype IgG1 Kappa

Quality Control Testing Antibody Reactive Against Recombinant Protein.
 Western Blot detection against Immunogen (143 KDa) .

Storage Buffer In ascites fluid

Storage Instruction Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

Applications

- Western Blot (Cell lysate)

VCL monoclonal antibody (M01A), clone 2C6-1B5 Western Blot analysis of VCL expression in Hela (Cat # L013V1).

[Protocol Download](#)

- Western Blot (Recombinant protein)

[Protocol Download](#)

- ELISA

Gene Info — VCL

Entrez GeneID [7414](#)

GeneBank Accession# [BC039174](#)

Protein Accession# [AAH39174.1](#)

Gene Name VCL

Gene Alias CMD1W, MVCL

Gene Description vinculin

Omim ID [193065 611407](#)

Gene Ontology [Hyperlink](#)

Gene Summary 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]

Other Designations OTTHUMP00000019861|OTTHUMP00000043885|metavinculin

Pathway

- [Adherens junction](#)
- [Focal adhesion](#)
- [Leukocyte transendothelial migration](#)
- [Regulation of actin cytoskeleton](#)

Disease

- [Alzheimer Disease](#)
- [Cardiomyopathy](#)

- [Cardiovascular Diseases](#)
- [Cleft Lip](#)
- [Cleft Palate](#)
- [Diabetes Mellitus](#)
- [Edema](#)
- [Genetic Predisposition to Disease](#)