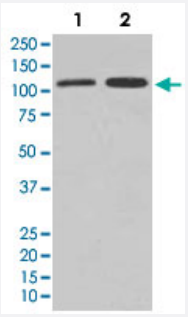
VCL monoclonal antibody, clone AIG-22

Catalog # MAB20848 Size 100 uL

Applications



Western Blot

Western Blot analysis of (1) HepG2, (2) HeLa cell lysate.

Specification

Product Description	Rabbit monoclonal antibody raised against synthetic peptide of human VCL.
Immunogen	A synthetic peptide corresponding to human VCL.
Host	Rabbit
Reactivity	Human, Mouse, Rat
Form	Liquid
Purification	Affinity purification
Isotype	IgG
Recommend Usage	Immunoprecipitation (1:50) Immunocytochemistry (1:50-200) Immunofluorescence (1:50-200) Immunohistochemistry (1:50-200) Western Blot (1:500-2000) The optimal working dilution should be determined by the end user.
Storage Buffer	In PBS, 150 mM NaCl, pH 7.4 (50% glycerol, 0.02% sodium azide).

Copyright © 2023 Abnova Corporation. All Rights Reserved.

Storage Instruction	Store at -20°C for one year. After reconstitution, at 4°C for one month. It can also be aliquotted and st ored frozen at -20°C for a longer time. Avoid repeated freezing and thawing.
Note	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which shoul d be handled by trained staff only.

Applications

- Immunofluorescence
- Immunocytochemistry
- Immunoprecipitation
- Western Blot

  Western Blot analysis of (1) HepG2, (2) HeLa cell lysate.

Gene Info — VCL

Entrez GeneID	7414
Protein Accession#	P18206
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 thou ght to function as one of several interacting proteins involved in anchoring F-actin to the membran e. 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 congestiv e 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 RefS eq
Other Designations	OTTHUMP00000019861|OTTHUMP00000043885|metavinculin

Copyright © 2023 Abnova Corporation. All Rights Reserved.

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

Copyright © 2023 Abnova Corporation. All Rights Reserved.