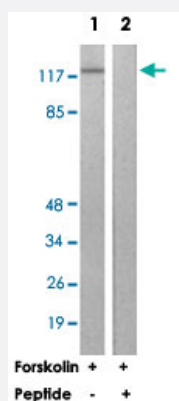


VCL polyclonal antibody

Catalog # PAB17308

Size 100 ug

Applications



Western Blot (Cell lysate)

Western blot analysis of extracts from HeLa cells, treated with forskolin (40nM, 30 mins), using VCL polyclonal antibody (Cat # PAB17308).

Peptide "+" means "with peptide blocking".

Specification

Product Description	Rabbit polyclonal antibody raised against synthetic peptide of VCL.
Immunogen	A synthetic peptide corresponding to residues surrounding tyrosine 821 of human VCL.
Host	Rabbit
Reactivity	Human, Mouse, Rat
Specificity	This antibody detects endogenous levels of total VCL protein.
Form	Liquid
Recommend Usage	Western Blot (1:500-1:1000) Immunohistochemistry (1:50-1:100) Immunofluorescence (1:500-1:1000) ELISA (1:20000) The optimal working dilution should be determined by the end user.
Storage Buffer	In PBS, pH 7.4 (150mM NaCl, 0.02% sodium azide, 50% glycerol)

Storage Instruction

Store at -20°C.
Aliquot to avoid repeated freezing and thawing.

Note

This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Applications

- Western Blot (Cell lysate)

Western blot analysis of extracts from HeLa cells, treated with forskolin (40nM, 30 mins), using VCL polyclonal antibody (Cat # PAB17308).

Peptide "+" means "with peptide blocking".

Gene Info — VCL

Entrez GeneID [7414](#)

Protein Accession# [Q64727](#)

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

Publication Reference

- [Vimentin-dependent utilization of LDL-cholesterol in human adrenal tumor cells is not associated with the level of expression of apoE, sterol carrier protein-2, or caveolin.](#)

Holwell TA, Schweitzer SC, Reyland ME, Evans RM.

Journal of Lipid Research 1999 Aug; 40(8):1440.

- [Disrupted glial fibrillary acidic protein network in astrocytes from vimentin knockout mice.](#)

Galou M, Colucci-Guyon E, Ensergueix D, Ridet JL, Gimenez y Ribotta M, Privat A, Babinet C, Dupouey P.

Journal of Cellular Biology 1996 May; 133(4):853.

- [Vimentin expression is differentially regulated by IL-2 and IL-4 in murine T cells.](#)

Hornbeck PV, Garrels JI, Capetanaki Y, Heimer S.

The Journal of Immunology 1993 Oct; 151(8):4013.

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](#)