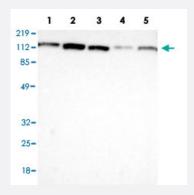


VCL polyclonal antibody

Catalog # PAB30250 Size 100 uL

Applications



Western Blot (Cell lysate)

Western Blot (Cell lysate) analysis with VCL polyclonal antibody (Cat #

PAB30250) at 1:100 - 1:250 dilution

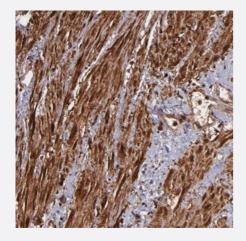
Lane 1: Human cell line RT-4

Lane 2: Human cell line U-251MG sp

Lane 3: Human cell line A-431

Lane 4: Human liver tissue

Lane 5: Human tonsil tissue



Immunohistochemistry (Formalin/PFA-fixed paraffinembedded sections)

Immunohistochemical staining (Formalin-fixed paraffin-embedded sections) of human skeletal muscle with VCL polyclonal antibody (Cat # PAB30250) shows sstrong cytoplasmic positivity in smooth muscle cells at 1:50 - 1:200 dilution.

Specification	
Product Description	Rabbit polyclonal antibody raised against recombinant human VCL.
lmmunogen	Recombinant protein corresponding to amino acids of human VCL.
Sequence	KMIDERQQELTHQEHRVMLVNSMNTVKELLPVLISAMKIFVTTKNSKNQGIEEALKNRNFTVEKMS AEINEIIRVLQLTSWDEDAWASKDTEAMKRALASIDSKLNQAKGWLRDPSASPGDAGEQAIRQILD EAGKVGELCAGKERREI
Host	Rabbit



Product Information

Reactivity	Human, Mouse, Rat
Form	Liquid
Purification	Antigen affinity purification
Isotype	lgG
Recommend Usage	Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) (1:50-1:200) Western Blot (1:100-1:250) The optimal working dilution should be determined by the end user.
Storage Buffer	In PBS, pH 7.2 (40% glycerol, 0.02% sodium azide)
Storage Instruction	Store at 4°C. For long term storage store at -20°C. Aliquot to 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

Western Blot (Cell lysate)

Western Blot (Cell lysate) analysis with VCL polyclonal antibody (Cat # PAB30250) at 1:100 - 1:250 dilution

Lane 1: Human cell line RT-4

Lane 2: Human cell line U-251MG sp

Lane 3: Human cell line A-431

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Gene Info — VCL	
Entrez GeneID	<u>7414</u>
Protein Accession#	<u>P18206</u>
Gene Name	VCL
Gene Alias	CMD1W, MVCL
Gene Description	vinculin



Product Information

Omim ID	<u>193065</u> <u>611407</u>
Gene Ontology	<u>Hyperlink</u>
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

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