



# Anti-VCL monoclonal antibody, clone iWJO-2 (DCABH-338)

This product is for research use only and is not intended for diagnostic use.

## PRODUCT INFORMATION

<b>Product Overview</b>	Mouse monoclonal to Vinculin
<b>Antigen Description</b>	Actin filament (F-actin)-binding protein involved in cell-matrix adhesion and cell-cell adhesion. Regulates cell-surface E-cadherin expression and potentiates mechanosensing by the E-cadherin complex. May also play important roles in cell morphology and locomotion.
<b>Specificity</b>	Shows cross-reactivity with smooth muscle metavinculin.
<b>Immunogen</b>	Full length native protein (purified) (Human).
<b>Isotype</b>	IgG1
<b>Source/Host</b>	Mouse
<b>Species Reactivity</b>	Mouse, Rat, Chicken, Cow, Dog, Turkey, Human, Xenopus laevis
<b>Clone</b>	iWJO-2
<b>Conjugate</b>	Unconjugated
<b>Applications</b>	ICC/IF, ICC, WB, IHC-Fr
<b>Positive Control</b>	cultured human fibroblasts
<b>Format</b>	Liquid
<b>Size</b>	200 µl
<b>Buffer</b>	Preservative: 15mM Sodium Azide
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<b>Storage</b>	Store at +4°C short term (1-2 weeks). Aliquot and store at -20°C or -80°C. Avoid repeated freeze / thaw cycles.
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## GENE INFORMATION

<b>Gene Name</b>	<a href="#">VCL vinculin [ Homo sapiens ]</a>
<b>Official Symbol</b>	VCL
<b>Synonyms</b>	VCL; vinculin; metavinculin; MVCL; CMD1W; CMH15;
<b>Entrez Gene ID</b>	<a href="#">7414</a>
<b>Protein Refseq</b>	<a href="#">NP_003364</a>
<b>UniProt ID</b>	<a href="#">A0A024QZN4</a>
<b>Chromosome Location</b>	10q22.1-q23
<b>Pathway</b>	Adherens junction, organism-specific biosystem; Adherens junction, conserved biosystem; Amoebiasis, organism-specific biosystem; Amoebiasis, conserved biosystem; Bacterial invasion of epithelial cells, organism-specific biosystem; Bacterial invasion of epithelial cells, conserved biosystem; Focal Adhesion, organism-specific biosystem;
<b>Function</b>	Rho GTPase binding; NOT actin binding; alpha-catenin binding; beta-catenin binding; beta-dystroglycan binding; cadherin binding; protein binding; structural molecule activity;