

Anti-Vinculin Antibody [VCL/3617] (A250291)

Specifications:

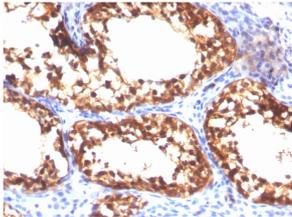
Name:	Anti-Vinculin Antibody [VCL/3617]
Description:	Mouse monoclonal [VCL/3617] antibody to Vinculin.
Specificity:	This antibody recognizes both Vinculin (125kDa) and meta-Vinculin (135kDa). Focal adhesions are identified as areas within the plasma membrane of tissue culture cells that adhere tightly to the underlying substrate. In vivo, these regions are involved in the adhesion of cells to the extracellular matrix. Paxillin and vinculin are cytoskeletal, focal adhesion proteins that are components of a protein complex which links the Actin network to the plasma membrane. Vinculin binding sites have been identified on other cytoskeletal proteins, including Talin and -Actinin has been shown to link Actin to integrins in the plasma membrane through interactions with the vinculin and Talin complex or by a direct interaction with integrin.
Applications:	IF, Flow Cytometry, IHC-P
Recommended Dilutions:	IF: 1-2 µg/ml, Flow Cytometry: 1-2 µg/million cells, IHC-P: 1-2 µg/ml
Reactivity:	Human, Mouse, Rat, Bovine, Porcine, Rabbit, Frog, Fish, Bird
Immunogen:	Recombinant full-length human Vinculin protein.
Host:	Mouse
Clonality:	Monoclonal
Clone ID:	VCL/3617
Isotype:	IgG1
Light Chains:	kappa
Conjugate:	Unconjugated
Purification:	Protein A/G chromatography.
Concentration:	200 µg/ml
Product Form:	Liquid
Formulation:	Supplied in 10mM Phosphate Buffered Saline with 0.05% BSA and 0.05% Sodium Azide.
Storage:	Shipped at 4°C. Upon delivery aliquot and store at -20°C. Avoid freeze / thaw cycles.
General Notes:	This monoclonal antibody is also available in a different formulation without BSA and Sodium Azide - Anti-Vinculin Antibody [VCL/3617] - BSA and Azide free (A253471).

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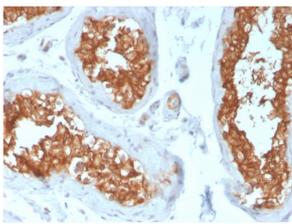
Specifications continued:

Disclaimer: This product is for research use only. It is not intended for diagnostic or therapeutic use.

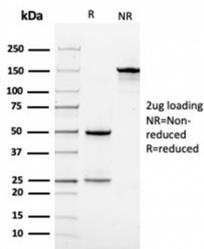
Images:



Immunohistochemical analysis of formalin-fixed, paraffin-embedded human testicular carcinoma using Anti-Vinculin Antibody [VCL/3617].



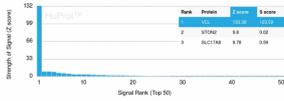
Immunohistochemical analysis of formalin-fixed, paraffin-embedded human testis using Anti-Vinculin Antibody [VCL/3617].



SDS-PAGE analysis of Anti-Vinculin Antibody [VCL/3617] under non-reduced and reduced conditions; showing intact IgG and intact heavy and light chains, respectively. SDS-PAGE analysis confirms the integrity and purity of the antibody.

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Images continued:



Analysis of protein array containing more than 19,000 full-length human proteins using Anti-Vinculin Antibody [VCL/3617]. Z-Score and S-Score: The Z-score represents the strength of a signal that a monoclonal antibody (MAb) (in combination with a fluorescently-tagged anti-IgG secondary antibody) produces when binding to a particular protein on the HuProt™ array. Z-scores are described in units of standard deviations (SD's) above the mean value of all signals generated on that array. If targets on HuProt™ are arranged in descending order of the Z-score, the S-score is the difference (also in units of SD's) between the Z-score. S-score therefore represents the relative target specificity of a MAb to its intended target; a MAb is considered to be specific to its intended target, if the MAb has an S-score of at least 2.5. For example, if a MAb binds to protein X with a Z-score of 43 and to protein Y with a Z-score of 14, then the S-score for the binding of that MAb to protein X is equal to 29.