

Anti-Vinculin Antibody [VCL/7091R] (A278076)

Specifications:

Name:	Anti-Vinculin Antibody [VCL/7091R]
Description:	Recombinant rabbit monoclonal [VCL/7091R] antibody to Vinculin.
Specificity:	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 β -Actinin. In addition, vinculin, Talin and β -Actinin each contain Actin binding sites. Expression of vinculin and Talin have been shown to be affected by the level of Actin expression. β -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:	WB, IHC-P
Recommended Dilutions:	WB: 1-2 μ g/ml, IHC-P: 1-2 μ g/ml
Reactivity:	Human, Mouse
Immunogen:	Recombinant fragment, around amino acids 174-322, of human Vinculin protein. The exact sequence is proprietary.
Host:	Rabbit
Clonality:	Monoclonal
Clone ID:	VCL/7091R
Isotype:	IgG
Conjugate:	Unconjugated
Purification:	Protein A/G chromatography.
Concentration:	200 μ g/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/7091R] - BSA and Azide free (A278664).

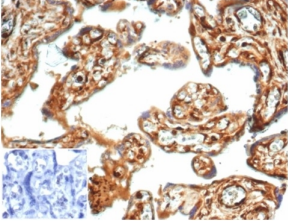
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Specifications continued:

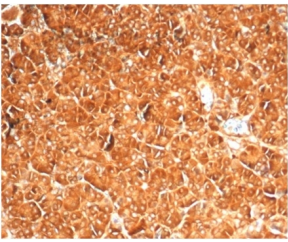
Disclaimer:

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

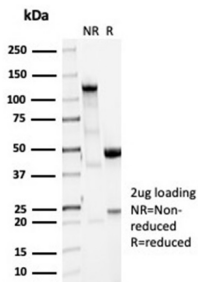
Images:



Immunohistochemical analysis of formalin-fixed, paraffin-embedded human placenta tissue using Anti-Vinculin Antibody [VCL/7091R] at 2µg/ml. Inset: PBS instead of the primary antibody. Secondary antibody negative control.



Immunohistochemical analysis of formalin-fixed, paraffin-embedded human pancreas tissue using Anti-Vinculin Antibody [VCL/7091R] at 2µg/ml.



SDS-PAGE analysis of Anti-Vinculin Antibody [VCL/7091R] 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.