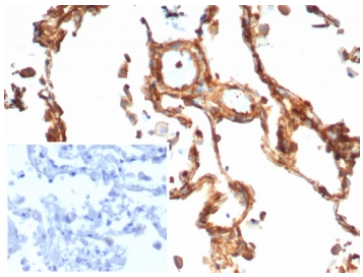
Vinculin Antibody [clone rVCL/7287] (V4103)

Catalog No.	Formulation	Size
V4103-100UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced), 0.05% sodium azide	100 ug
V4103-20UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced), 0.05% sodium azide	20 ug
V4103SAF-100UG	1 mg/ml in 1X PBS; BSA free, sodium azide free	100 ug

Recombinant MOUSE MONOCLONAL

Bulk quote request

Availability	1-3 business days
Species Reactivity	Human
Format	Purified
Host	Mouse
Clonality	Recombinant Mouse Monoclonal
Isotype	Mouse IgG1, kappa
Clone Name	rVCL/7287
Purity	Protein A/G affinity
UniProt	P18206
Localization	Cytoplasm
Applications	Immunohistochemistry (FFPE): 1-2ug/ml for 30 minutes at RT
Limitations	This Vinculin antibody is available for research use only.



Vinculin Antibody Lung IHC. Immunohistochemistry staining of FFPE human lung tissue with Vinculin antibody (clone rVCL/7287). Inset: PBS used in place of primary Ab (secondary Ab negative control). HIER: boil tissue sections in pH 9 10mM Tris with 1mM EDTA for 20 min and allow to cool before testing.

Description

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 Alpha-Actinin. In addition, vinculin, Talin and Alpha-Actinin each contain Actin binding sites. Expression of vinculin and Talin have been shown to be affected by the level of Actin expression. Alpha-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.

Learn more about focal adhesion biology and vinculin research by visiting our Vinculin Antibody / Focal Adhesion Protein Antibody page.

Application Notes

Optimal dilution of the Vinculin antibody should be determined by the researcher.

Immunogen

A recombinant fragment of human Vinculin (VCL) protein was used as the immunogen for the Vinculin antibody.

Storage

Aliquot the Vinculin antibody and store frozen at -20oC or colder. Avoid repeated freeze-thaw cycles.

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