

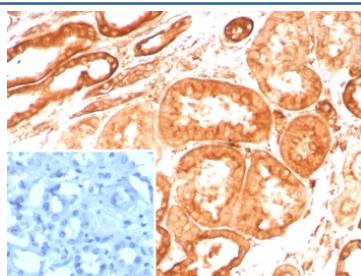
Vinculin Antibody [clone VCL/8533R] (V4104)

Catalog No.	Formulation	Size
V4104-100UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced), 0.05% sodium azide	100 ug
V4104-20UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced), 0.05% sodium azide	20 ug
V4104SAF-100UG	1 mg/ml in 1X PBS; BSA free, sodium azide free	100 ug

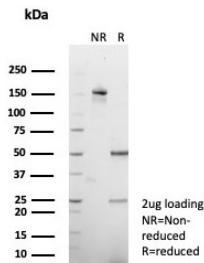
Recombinant **RABBIT MONOCLONAL**

Bulk quote request

Availability	1-3 business days
Species Reactivity	Human
Format	Purified
Host	Rabbit
Clonality	Recombinant Rabbit Monoclonal
Isotype	Rabbit IgG, kappa
Clone Name	VCL/8533R
Purity	Protein A/G affinity
UniProt	P18206
Localization	Cytoplasm
Applications	Western Blot : 1-2ug/ml Immunohistochemistry (FFPE) : 1-2ug/ml for 30 minutes at RT
Limitations	This Vinculin antibody is available for research use only.



IHC staining of FFPE human kidney tissue with Vinculin antibody (clone VCL/8533R) at 2ug/ml. 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.



SDS-PAGE analysis of purified, BSA-free Vinculin antibody (clone VCL/8533R) as confirmation of integrity and purity.

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.

Application Notes

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

Immunogen

A recombinant partial protein (within amino acids 174-322) from the human protein was used as the immunogen for the Vinculin antibody.

Storage

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