

## Recombinant Vinculin (Marker of Age-related Macular Degeneration) Antibody

Rabbit Monoclonal Antibody [Clone VCL/8533R]

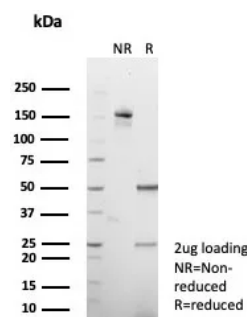
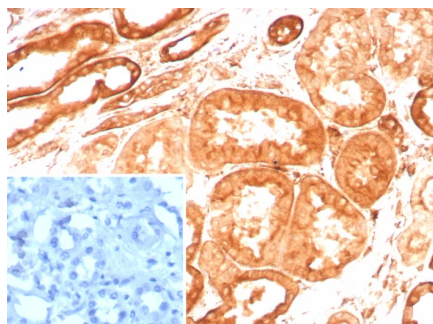
Catalog No	Format	Size
7414-RBM9-P0	Purified Ab with BSA and Azide	200ug/ml
7414-RBM9-P1	Purified Ab with BSA and Azide	200ug/ml
7414-RBM9-P1ABX	Purified Ab WITHOUT BSA and Azide	1.0mg/ml

Applications	Tested Dillution
Immunohistochemistry (IHC)	1-2ug/ml
Western Blot (WB)	2-4ug/ml

Product Details	
Clone	VCL/8533R
Gene Name	VCL
Immunogen	Recombinant fragment (around aa 174-322) of human Vinculin (VCL) protein (exact sequence is proprietary)
Host	Rabbit
Clonality	Monoclonal
Isotype / Light Chain	IgG / Kappa
Mol. Weight of Antigen	117kDa
Cellular Localization	Cytoplasm
Species Reactivity	Human, Mouse
Positive Control	A431 K562 NIH3T3 U-87 or THP-1 cells. Human bladder or testis.

\*Optimal dilution for a specific application should be determined.

### Product Images for Recombinant Vinculin (Marker of Age-related Macular Degeneration) Antibody



Formalin-fixed, paraffin-embedded human kidney stained with Vinculin Recombinant Rabbit Monoclonal Antibody (VCL/8533R) at 2ug/ml. Inset: PBS instead of primary antibody; secondary only negative control.

SDS-PAGE Analysis of Purified Vinculin Recombinant Rabbit Monoclonal Antibody (VCL/8533R). Confirmation of Purity and Integrity of Antibody.

### Specificity & Comments

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

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### Research Areas

Cardiovascular, Immunology, Infectious Disease, Signal Transduction

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### Known Applications & Suggested Dilutions

Western Blot (1-2ug/ml) | Immunohistochemistry (Formalin-fixed) (1-2ug/ml for 30 minutes at RT), (Staining of formalin-fixed tissues requires heating tissue sections in 10mM Tris with 1mM EDTA, pH 9.0, for 45 min at 95degC followed by cooling at RT for 20 minutes), Optimal dilution for a specific application should be determined.

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### Limitations and Warranty

This antibody is available for research use only and is not approved for use in diagnosis.

There are no warranties, expressed or implied, which extend beyond this description. Company is not liable for any personal injury or economic loss resulting from this product.

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### Supplied As

200ug/ml of Ab purified from Bioreactor Concentrate by Protein A/G. Prepared in 10mM PBS with 0.05% BSA & 0.05% azide. Also available WITHOUT BSA & azide at 1.0mg/ml.

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### Storage and Stability

Antibody with azide - store at 2 to 8°C. Antibody without azide - store at -20 to -80°C. Antibody is stable for 24 months. Non-hazardous. No MSDS required.

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