

For Research Use Only

# Vinculin Recombinant monoclonal antibody, PBS Only

Catalog Number: 86930-1-PBS



## Basic Information

|   |  |   |
|---|--|---|
| <b>Catalog Number:</b><br>86930-1-PBS                       | <b>GenBank Accession Number:</b><br>BC039174 | <b>Purification Method:</b><br>Protein A purification |
| <b>Size:</b><br>100ug , Concentration: 1 mg/ml by Nanodrop; | <b>GeneID (NCBI):</b><br>7414                | <b>CloneNo.:</b><br>251919D10                         |
| <b>Source:</b><br>Rabbit                                    | <b>UNIPROT ID:</b><br>P18206                 |   |
| <b>Isotype:</b><br>IgG                                      | <b>Full Name:</b><br>vinculin                |   |
| <b>Immunogen Catalog Number:</b><br>AG24942                 | <b>Calculated MW:</b><br>1133 aa, 124 kDa    |   |
|   | <b>Observed MW:</b><br>124 kDa               |   |

## Applications

**Tested Applications:**  
WB, IHC, IF/ICC, Indirect ELISA

**Species Specificity:**  
human, mouse, rat

## Background Information

Vinculin belongs to the vinculin/alpha-catenin family. It is an actin filament (F-actin)-binding protein that is involved in cell-matrix adhesion and cell-cell adhesion. Vinculin regulates cell-surface E-cadherin expression and potentiates mechanosensing by the E-cadherin complex. It may also play important roles in cell morphology and locomotion. Vinculin is a 117-kDa, 1,066-amino-acid protein that is ubiquitously expressed. Its splice variant, metavinculin (124 kDa), is a muscle-specific protein.

## Storage

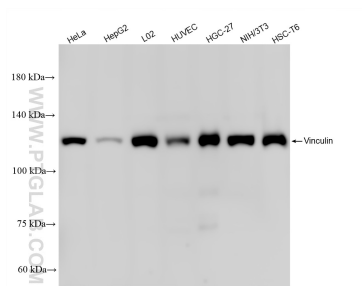
**Storage:**  
Store at -80°C.

**Storage Buffer:**  
PBS only, pH7.3

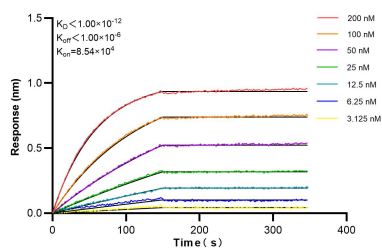
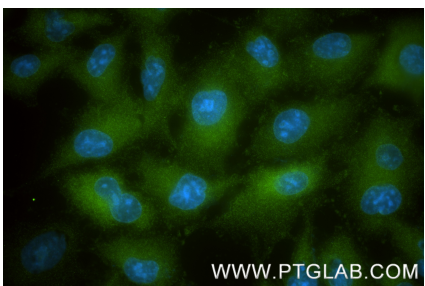
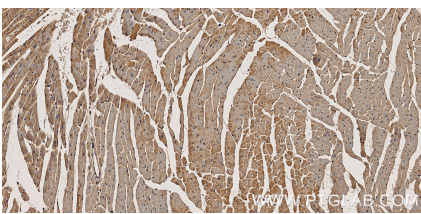
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## Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 86930-1-RR (Vinculin antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 86930-1-PBS in a different storage buffer formulation.



Biolayer interferometry (BLI) kinetic assays of 86930-1-RR against Human Vinculin were performed. The affinity constant is below 1 pM.