

For Research Use Only

Vinculin Recombinant monoclonal antibody, PBS Only

Catalog Number:86930-1-PBS



Basic Information

Catalog Number: 86930-1-PBS	GenBank Accession Number: BC039174	Purification Method: Protein A purification
Source: Rabbit	GeneID (NCBI): 7414	CloneNo.: 251919D10
Isotype: IgG	UNIPROT ID: P18206	
Immunogen Catalog Number: AG24942	Full Name: vinculin	
	Calculated MW: 1133 aa, 124 kDa	
	Observed MW: 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.
The product is shipped with ice packs. Upon receipt, store it immediately at -80°C

Storage Buffer:
PBS only, pH7.3

For technical support and original validation data for this product please contact:

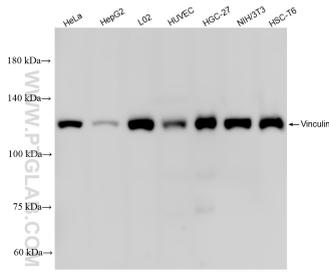
T: 4006900926

E: Proteintech-CN@ptglab.com

W: ptgcn.com

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

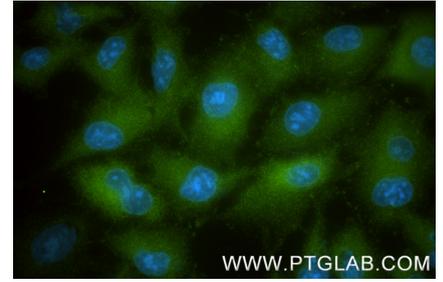
Selected Validation Data



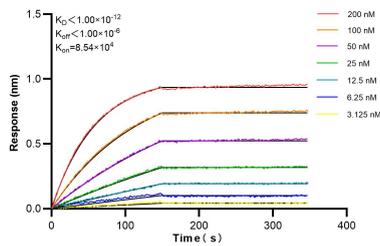
Various lysates were subjected to SDS PAGE followed by western blot with 86930-1-RR (Vinculin antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 86930-1-PBS in a different storage buffer formulation.



Immunohistochemical analysis of paraffin-embedded mouse heart tissue slide using 86930-1-RR (Vinculin antibody) at dilution of 1:1000 (under 20x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). This data was developed using the same antibody clone with 86930-1-PBS in a different storage buffer formulation.



Immunofluorescent analysis of (-20°C Methanol) fixed A549 cells using Vinculin antibody (86930-1-RR, Clone: 251919D10) at dilution of 1:500 and CoraLite®488-Conjugated Goat Anti-Rabbit IgG(H+L) (SA00013-2). 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.