

For Research Use Only

Vinculin Monoclonal antibody

Catalog Number: 66305-2-Ig



Basic Information

Catalog Number: 66305-2-Ig	GenBank Accession Number: BC039174	Purification Method: Protein G purification
Size: 150ul , Concentration: 1000 ug/ml by Nanodrop;	GeneID (NCBI): 7414	CloneNo.: 3A11F8
Source: Mouse	UNIPROT ID: P18206	Recommended Dilutions: WB 1:5000-1:50000 IHC 1:1000-1:4000 IF/ICC 1:1000-1:4000
Isotype: IgG1	Full Name: vinculin	
Immunogen Catalog Number: AG24946	Calculated MW: 1133 aa, 124 kDa	
	Observed MW: 124 kDa	

Applications

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

Species Specificity:
human, mouse, rat, rabbit

Note-IHC: suggested antigen retrieval with **TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0**

Positive Controls:

WB : HGC-27 cells, HUVEC cells, LNCaP cells, MKN-45 cells, K-562 cells, human peripheral blood platelets, rat heart tissue, mouse heart tissue, rabbit heart tissue, HeLa cells

IHC : human ovary cancer tissue,

IF/ICC : hTERT-RPE1 cells,

Background Information

Vinculin belongs to the vinculin/alpha-catenin family. It is an actin filament (F-actin)-binding protein which 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 muscle-specific.

Storage

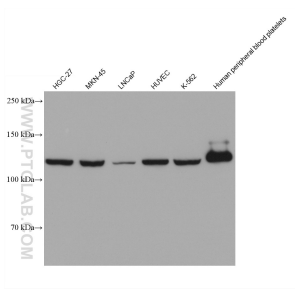
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol, pH7.3
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

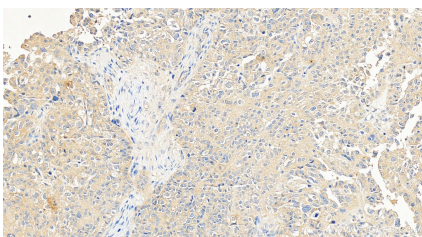
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
W: ptglab.com

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

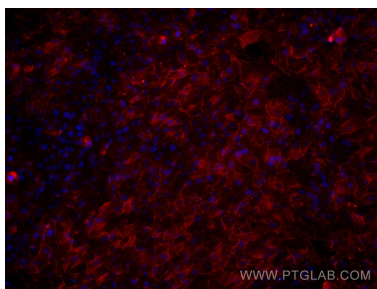
Selected Validation Data



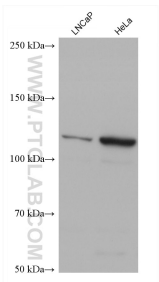
Various lysates were subjected to SDS PAGE followed by western blot with 66305-2-Ig (Vinculin antibody) at dilution of 1:20000 incubated at room temperature for 1.5 hours.



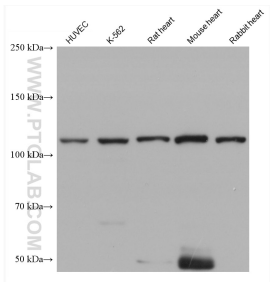
Immunohistochemical analysis of paraffin-embedded human ovary cancer tissue slide using 66305-2-Ig (Vinculin antibody) at dilution of 1:2000 (under 20x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunofluorescent analysis of (4% PFA) fixed hTERT-RPE1 cells using Vinculin antibody (66305-2-Ig, Clone: 3A11F8) at dilution of 1:2000 and Multi-rAb CoraLite® Plus 594-Goat Anti-Mouse Recombinant Secondary Antibody (H+L) (Cat.NO. RGAM004).



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