

Vinculin Monoclonal antibody

Catalog Number: 66305-2-Ig

Basic Information

Catalog Number: 66305-2-Ig	GenBank Accession Number: BC039174	Purification Method: Protein G purification
Concentration: 1000 ug/ml	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:

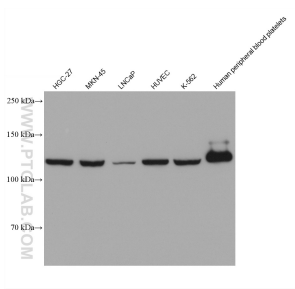
Store at -20°C. Stable for one year after shipment.

Storage Buffer:

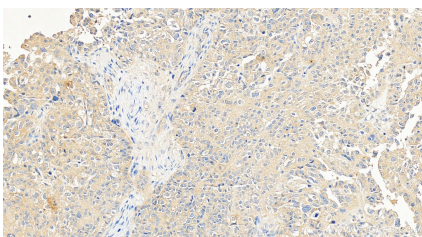
PBS with 0.02% sodium azide and 50% glycerol, pH7.3

Aliquoting is unnecessary for -20°C storage

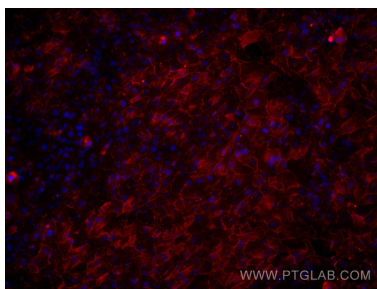
Selected Validation Data



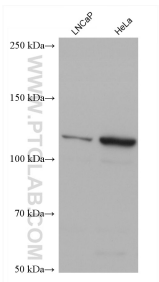
Various lysates were subjected to SDS PAGE followed by western blot with 66305-2-Ig (Vinculin antibody) at dilution of 1:20000 incubated at room temperature for 1.5 hours.



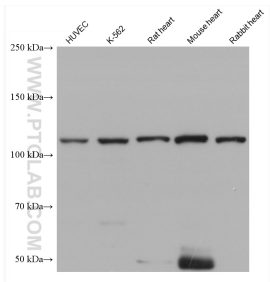
Immunohistochemical analysis of paraffin-embedded human ovary cancer tissue slide using 66305-2-Ig (Vinculin antibody) at dilution of 1:2000 (under 20x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



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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