

## Allgemeine Informationen

<b>Katalog-Nr.:</b> 66305-1-Ig	<b>GenBank-Zugangsnummer:</b> BC039174	<b>Reinigungsmethode:</b> Protein-A-Reinigung
<b>Größe:</b> 150ul , Konzentration: 1000 µg/ml von7414 Nanodrop und 507 µg/ml durch die Bradford-Methode mit BSA als Standard;	<b>GeneID (NCBI):</b> vinculin	<b>CloneNo.:</b> 2B5A7
<b>Wirt:</b> Maus	<b>Vollständiger Name:</b> vinculin	<b>Empfohlene Verdünnungen:</b> WB 1:5000-1:50000 IHC 1:50-1:500 IF 1:50-1:500
<b>Isotyp:</b> IgG1	<b>Berechnete Masse:</b> 1133 aa, 124 kDa	
<b>Immunogen Katalognummer:</b> AG24946	<b>Beobachtete Masse:</b> 117 kDa	

## Anwendungen

<b>Geprüfte Anwendungen:</b> FC, IF, IHC, WB, ELISA	<b>Positivkontrollen:</b> <b>WB :</b> HepG2-Zellen, Hausschwein-Herzgewebe, HEK-293-Zellen, HeLa-Zellen, HuH-7-Zellen, L02-Zellen, LNCaP-Zellen, NIH/3T3-Zellen <b>IHC :</b> humanes Mammakarzinomgewebe, humanes Prostatakarzinomgewebe <b>IF :</b> HeLa-Zellen,
<b>In Publikationen genannte Anwendungen:</b> CoIP, IF, IHC, WB	
<b>Getestete Reaktivität:</b> Hausschwein, Human, Maus, Ratte	
<b>Zitierte Arten:</b> Hamster, Hausschwein, Human, Maus, Ratte, Zebrafisch	
<b>Hinweis-IHC: Antigendemaskierung mit TE-Puffer pH 9,0 empfohlen. (*) Wahlweise kann die Antigendemaskierung auch mit Citratpuffer pH 6,0 erfolgen.</b>	

## Hintergrundinformationen

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 which is ubiquitously expressed. Its splice variant, metavinculin (124 kDa), is muscle-specific.

## Bemerkenswerte Veröffentlichungen

Verfasser	Pubmed ID	Journal	Anwendung
Juan M Barajas	34599880	Am J Pathol	WB
Tingben Huang	36167235	Acta Biomater	IF
Yizhou Zhu	31507175	ACS Appl Mater Interfaces	

## Lagerung

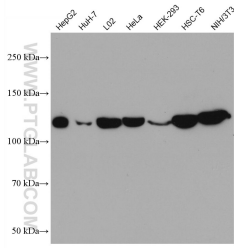
**Lagerungsbedingungen:**  
Bei -20°C lagern. Nach dem Versand ein Jahr lang stabil  
**Lagerungspuffer:**  
PBS mit 0.02% Natriumazid und 50% Glycerin pH 7.3.  
Aliquotieren ist nicht notwendig bei -20°C Lagerung

**\*\*\* 20ul-Größen enthalten 0.1% BSA**

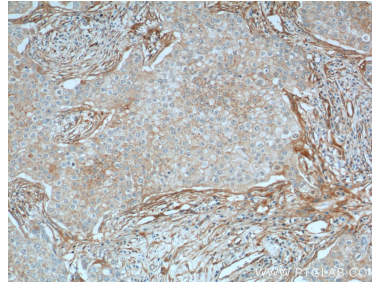
For technical support and original validation data for this product please contact:  
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)  
E: [proteintech@ptglab.com](mailto:proteintech@ptglab.com)  
W: [ptglab.com](http://ptglab.com)

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

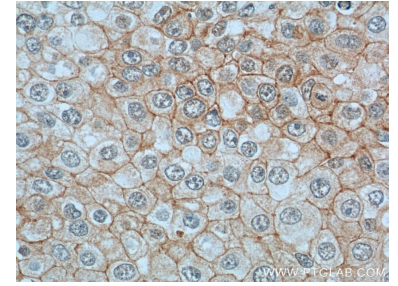
## Ausgewählte Validierungsdaten



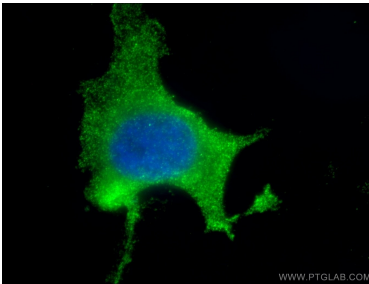
Various lysates were subjected to SDS PAGE followed by western blot with 66305-1-Ig (Vinculin antibody) at dilution of 1:20000 incubated at room temperature for 1.5 hours.



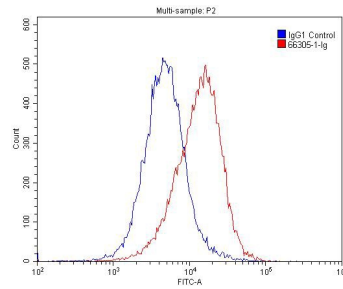
Immunohistochemical analysis of paraffin-embedded human breast cancer tissue slide using 66305-1-Ig (Vinculin Antibody) at dilution of 1:200 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded human breast cancer tissue slide using 66305-1-Ig (Vinculin Antibody) at dilution of 1:200 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunofluorescent analysis of (10% Formaldehyde ) fixed HeLa cells using 66305-1-Ig(Vinculin antibody) at dilution of 1:200 and Alexa Fluor 488-conjugated AffiniPure Goat Anti-Mouse IgG(H+L).



1x10<sup>6</sup> HeLa cells were stained with 0.2ug Vinculin antibody (66305-1-Ig, red) and control antibody (blue). Fixed with 4% PFA blocked with 3% BSA (30 min). Alexa Fluor 488-conjugated AffiniPure Goat Anti-Mouse IgG(H+L) with dilution 1:1500.