

For Research Use Only

CoraLite® Plus 488-conjugated Vinculin Polyclonal antibody



Catalog Number: CL488-26520

Basic Information

Catalog Number: CL488-26520	GenBank Accession Number: BC039174	Purification Method: Antigen affinity purification
Size: 100ul , Concentration: 1000 µg/ml by Nanodrop;	GeneID (NCBI): 7414	Recommended Dilutions: IF 1:50-1:500
Source: Rabbit	Full Name: vinculin	Excitation/Emission maxima wavelengths: 493 nm / 522 nm
Isotype: IgG	Calculated MW: 1133 aa, 124 kDa	
Immunogen Catalog Number: AG24942	Observed MW: 117 kDa	

Applications

Tested Applications: FC (Intra), IF	Positive Controls: IF : HepG2 cells, A549 cells
Species Specificity: human, mouse	

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

Storage

Storage:
Store at -20°C. Avoid exposure to light. Stable for one year after shipment.
Storage Buffer:
PBS with 50% Glycerol, 0.05% Proclin300, 0.5% BSA, pH 7.3.
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

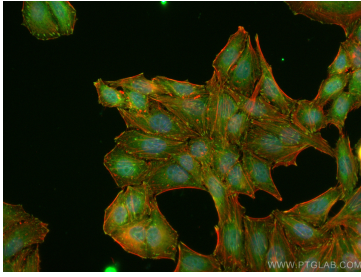
For technical support and original validation data for this product please contact:

T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)

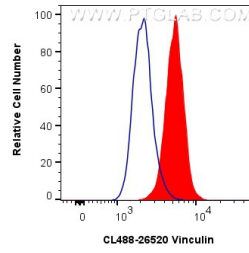
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Selected Validation Data



Immunofluorescent analysis of (4% PFA) fixed HepG2 cells using Coralite® Plus 488 Vinculin antibody (CL488-26520) at dilution of 1:200, CL594-phalloidin (red).



1X10⁶ HepG2 cells were intracellularly stained with 0.8 ug Coralite® Plus 488 Anti-Human Vinculin (CL488-26520) (red), or 0.8 ug Isotype Control. Cells were fixed with 4% PFA and permeabilized with Flow Cytometry Perm Buffer (PF00011-C).