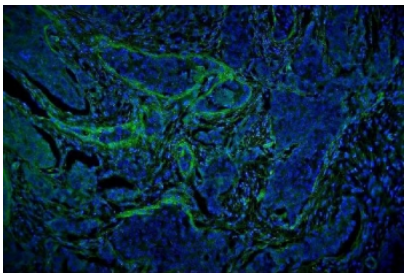
Vinculin Antibody / VCL (RQ5686)

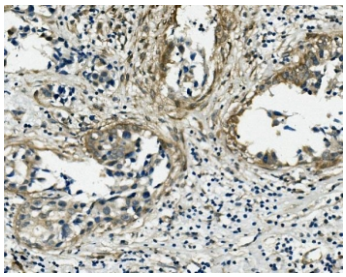
Catalog No.	Formulation	Size
RQ5686	0.5mg/ml if reconstituted with 0.2ml sterile DI water	100 ug

Bulk quote request

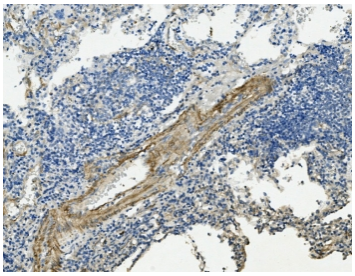
Availability	1-3 business days
Species Reactivity	Human, Mouse, Rat, Monkey
Format	Antigen affinity purified
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Purity	Affinity purified
Buffer	Lyophilized from 1X PBS with 2% Trehalose and 0.025% sodium azide
UniProt	P18206
Applications	Western blot: 0.5-1ug/ml Immunohistochemistry: 1-2ug/ml Immunofluorescence: 2-4ug/ml Flow cytometry: 1-3ug/million cells Direct ELISA: 0.1-0.5ug/ml
Limitations	This Vinculin antibody is available for research use only.



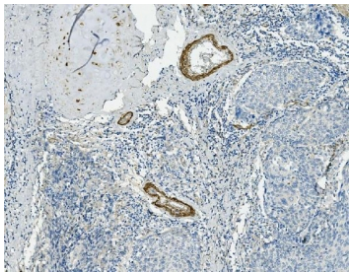
Vinculin Antibody Breast Cancer IF. Immunofluorescent staining of FFPE human breast cancer tissue with Vinculin antibody (green) and DAPI nuclear stain (blue). HIER: steam section in pH6 citrate buffer for 20 min.



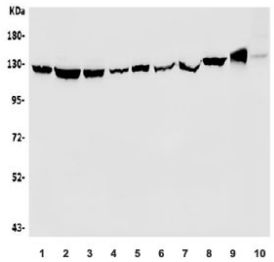
Vinculin Antibody Human Breast Cancer Tissue IF. IHC staining of FFPE human breast cancer with Vinculin antibody. HIER: boil tissue sections in pH8 EDTA for 20 min and allow to cool before testing.



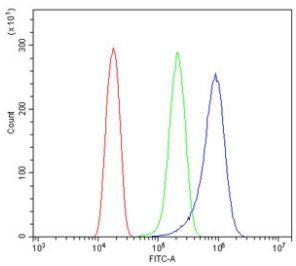
Vinculin Antibody Lung Cancer IHC. Immunohistochemistry staining of FFPE human lung cancer with Vinculin antibody. HIER: boil tissue sections in pH8 EDTA for 20 min and allow to cool before testing.



Vinculin Antibody Human Lung Cancer Tissue IHC. IHC staining of FFPE human lung cancer with Vinculin antibody. HIER: boil tissue sections in pH8 EDTA for 20 min and allow to cool before testing.



Western blot testing of human 1) HeLa, 2) U-87 MG, 3) HT1080, 4) HEK293, 5) SK-OV-3, 6) monkey COS-7, 7) human K562, 8) human SGC-7901, 9) rat heart and 10 mouse heart lysate with Vinculin antibody. Predicted molecular weight ~124 kDa.



Flow cytometry testing of human HeLa cells with Vinculin antibody at 1ug/million cells (blocked with goat sera); Red=cells alone, Green=isotype control, Blue= Vinculin antibody.

Description

Vinculin Antibody detects vinculin, a membrane-cytoskeletal protein in focal adhesion plaques that is involved in linkage of integrin adhesion molecules to the actin cytoskeleton. It is mapped to 10q22.2. Vinculin is a cytoskeletal protein associated with cell-cell and cell-matrix junctions, where it is thought to function as one of several interacting proteins involved in anchoring F-actin to the membrane. Defects in VCL are the cause of cardiomyopathy dilated type 1W. Dilated cardiomyopathy is a disorder characterized by ventricular dilation and impaired systolic function, resulting in congestive heart failure and arrhythmia. Multiple alternatively spliced transcript variants have been found for this gene, but the biological validity of some variants has not been determined.

Learn more about focal adhesion biology and vinculin research by visiting our Vinculin Antibody / Focal Adhesion Protein Antibody page.

Application Notes

Optimal dilution of the Vinculin antibody should be determined by the researcher.

Immunogen

Recombinant human protein (amino acids M1-E149) was used as the immunogen for the Vinculin antibody.

Storage

After reconstitution, the Vinculin antibody can be stored for up to one month at 4oC. For long-term, aliquot and store at -20oC. Avoid repeated freezing and thawing.

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