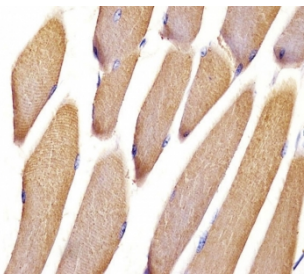
Vinculin Antibody (F54324)

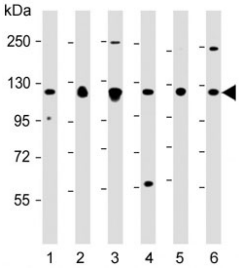
Catalog No.	Formulation	Size
F54324-0.2ML	In 1X PBS, pH 7.4, with 0.09% sodium azide	0.2 ml
F54324-0.05ML	In 1X PBS, pH 7.4, with 0.09% sodium azide	0.05 ml

Bulk quote request

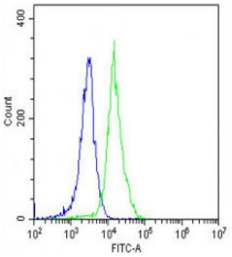
Availability	1-3 business days
Species Reactivity	Human, Mouse
Format	Purified
Clonality	Polyclonal (rabbit origin)
Isotype	Rabbit Ig
Purity	Antigen affinity purified
UniProt	Q64727
Applications	Western Blot : 1:500-1:2000 Flow Cytometry : 1:25 (1x10e6 cells) Immunohistochemistry (FFPE) : 1:25
Limitations	This Vinculin antibody is available for research use only.



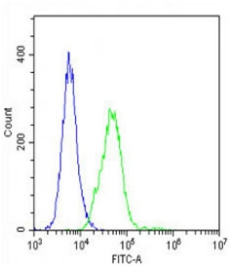
IHC testing of FFPE mouse skeletal muscle tissue with Vinculin antibody. HIER: steam section in pH6 citrate buffer for 20 min and allow to cool prior to staining.



Western blot testing of 1) human skeletal muscle, 2) human A431, 3) human HeLa, 4) mouse kidney, 5) rat PC-12 and 6) human HepG2 lysate with Vinculin antibody. Predicted molecular weight ~124 kDa.



Flow cytometry testing of fixed and permeabilized mouse NIH 3T3 cells with Vinculin antibody; Blue=isotype control, Green= Vinculin antibody.



Flow cytometry testing of fixed and permeabilized mouse C2C12 cells with Vinculin antibody; Blue=isotype control, Green= Vinculin antibody.

Description

Actin filament (F-actin)-binding protein involved in cell-matrix adhesion and cell-cell adhesion. Regulates cell- surface E-cadherin expression and potentiates mechanosensing by the E-cadherin complex. May also play important roles in cell morphology and locomotion (By similarity).

Application Notes

The stated application concentrations are suggested starting points. Titration of the Vinculin antibody may be required due to differences in protocols and secondary/substrate sensitivity.

Immunogen

A portion of amino acids 903-937 from the human protein was used as the immunogen for the Vinculin antibody.

Storage

Aliquot the Vinculin antibody and store frozen at -20oC or colder. Avoid repeated freeze-thaw cycles.