Datasheet for ABIN6242693

anti-Vinculin antibody (AA 634-668)

4 Images

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Overview

Quantity:	200 µL
Target:	Vinculin (VCL)
Binding Specificity:	AA 634-668
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This Vinculin antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), Flow Cytometry (FACS)

Product Details

Immunogen:	This antibody is generated from a rabbit immunized with a KLH conjugated synthetic peptide between 634-668 amino acids from mouse.
Clone:	RB55982
Isotype:	Ig Fraction
Purification:	This antibody is purified through a protein A column, followed by peptide affinity purification.

Target Details

Target:	Vinculin (VCL)
Alternative Name:	Vinculin (VCL Products)

Target Details

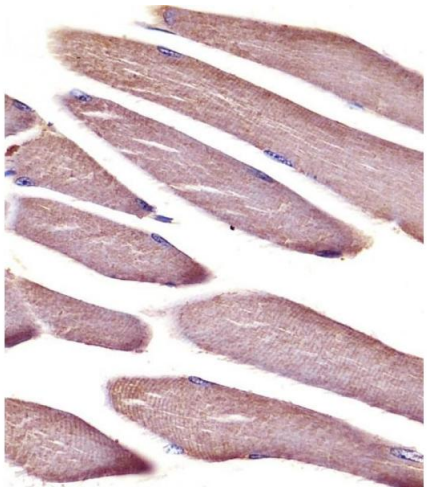
Background:	Actin filament (F-actin)-binding protein involved in cell-matrix adhesion and cell-cell adhesion. Regulates cell- surface E-cadherin expression and potentiates mechanosensing by the E-cadherin complex. May also play important roles in cell morphology and locomotion (By similarity).
Molecular Weight:	116717
UniProt:	Q64727
Pathways:	Cell-Cell Junction Organization, Maintenance of Protein Location, Signaling Events mediated by VEGFR1 and VEGFR2

Application Details

Application Notes:	WB: 1:2000. IHC-P: 1:25. FC: 1:25. FC: 1:25
Restrictions:	For Research Use only

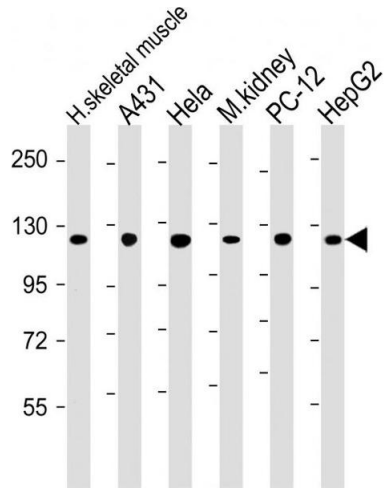
Handling

Format:	Liquid
Buffer:	Purified polyclonal antibody supplied in PBS with 0.09 % (W/V) sodium azide.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	4 °C,-20 °C
Expiry Date:	6 months



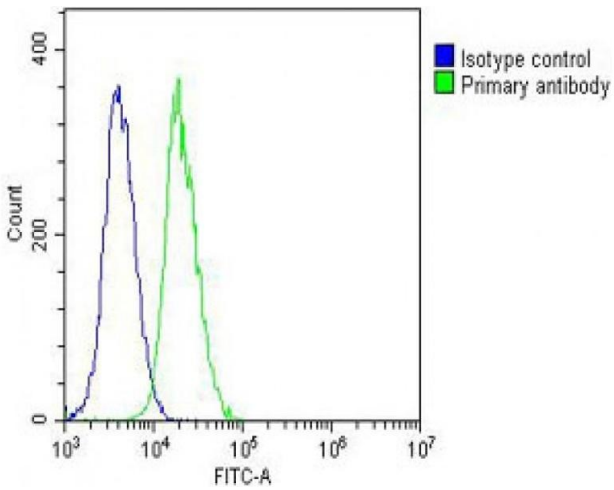
Immunohistochemistry (Paraffin-embedded Sections)

Image 1. (ABIN6242693 and ABIN6578667) staining Vinculin in mouse skeletal muscle tissue sections by Immunohistochemistry (IHC-P - paraformaldehyde-fixed, paraffin-embedded sections). Tissue was fixed with formaldehyde and blocked with 3 % BSA for 0. 5 hour at room temperature, antigen retrieval was by heat mediation with a citrate buffer (pH 6). Samples were incubated with primary antibody (1/25) for 1 hours at 37 °C. A undiluted biotinylated goat polyvalent antibody was used as the secondary antibody.



Western Blotting

Image 2. All lanes : Anti-Vinculin at 1:2000 dilution Lane 1: human skeletal muscle lysate Lane 2: A431 whole cell lysate Lane 3: Hela whole cell lysate Lane 4: mouse kidney lysate Lane 5: PC-12 whole cell lysate Lane 6: HepG2 whole cell lysate Lysates/proteins at 20 µg per lane. Secondary Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/10000 dilution. Predicted band size : 117 kDa Blocking/Dilution buffer: 5 % NFDM/TBST.



Flow Cytometry

Image 3. Overlay histogram showing NIH/3T3 cells stained with (ABIN6242693 and ABIN6578667) (green line). The cells were fixed with 2 % paraformaldehyde (10 min) and then permeabilized with 90 % methanol for 10 min. The cells were then icubated in 2 % bovine serum albumin to block non-specific protein-protein interactions followed by the antibody ((ABIN6242693 and ABIN6578667), 1:25 dilution) for 60 min at 37 °C. The secondary antibody used was Goat-Anti-Rabbit IgG, DyLight® 488 Conjugated Highly Cross-Adsorbed(OH191631) at 1/200 dilution for 40 min at 37 °C. Isotype control antibody (blue line) was rabbit IgG (1 µg/1x10^6 cells) used under the same conditions. Acquisition

of >10, 000 events was performed.

Please check the product details page for more images. Overall 4 images are available for ABIN6242693.