Product datasheet

Anti-Vinculin/VCL Antibody (Clone#hVIN-1)

Catalog Number: *BM1611*

BOSTER
antibody and ELISA experts
BOSTER BIOLOGICAL TECHNOLOGY
Building C21, 3rd to 5th Floors, Optics Valley Biopharmaceutical Accelerator,
East Lake High-Tech Development Zone, Wuhan.
Web: www.boster.com ***Phone:*** 027-67845390/1/2 ***Email:*** boster@boster.com

Basic Information

Product Name	Anti-Vinculin/VCL Antibody (Clone#hVIN-1)
Gene Name	VCL
Source	Mouse
Clonality	Monoclonal
Isotype	IgG1
Species Reactivity	human, mouse, rat, chicken, monkey
Tested Application	WB, IHC, IF
Contents	200 ug/ml antibody with PBS， 0.02% NaN3 , 1mg BSA and 50% glycerol.
Immunogen	Human vinculin, purified from uterus.
Concentration	200ug/ml
Purification	Ascites
Observed MW	124 kDa
Dilution Ratios	Western blot (WB): 1:500-2000 Immunohistochemistry (IHC): 1:50-400 Immunofluorescence (IF): 1:50-400 (Boiling the paraffin sections in 10mM citrate buffer,pH6.0,or PH8.0 EDTA repair liquid for 20 mins is required for the staining of formalin/paraffin sections.) Optimal working dilutions must be determined by end user.

Storage

12 months from date of receipt，-20℃ as supplied.

Background Information

Vinculin is a cytoskeletal protein associated with the cytoplasmic face of both cell-cell and cell-extracellular matrix adherens-type junctions, where it is thought to function as one of several interacting proteins involved in anchoring F-actin to the membrane. Both human and chicken embryo sequences of vinculin contain 1,066 amino acids and, furthermore, that the 2 proteins exhibit a high level of sequence identity(greater than 95%). Vinculinis mapped to 10q22.1-q23.

Anti-Vinculin/VCL Antibody (Clone#hVIN-1)

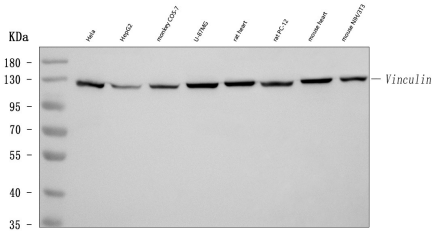
Catalog Number: *BM1611*

BOSTER
antibody and ELISA experts
BOSTER BIOLOGICAL TECHNOLOGY
Building C21, 3rd to 5th Floors, Optics Valley Biopharmaceutical Accelerator,
East Lake High-Tech Development Zone, Wuhan.
Web: www.boster.com ***Phone:*** 027-67845390/1/2 ***Email:*** boster@boster.com

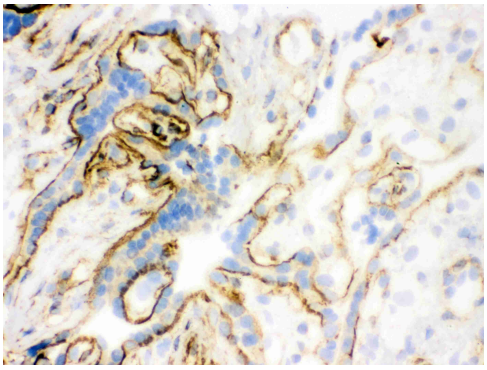
Reference

Anti-Vinculin/VCL Antibody (Clone#hVIN-1)被引用在7文献中。

Selected Validation Data



Western blot analysis of anti- Vinculin antibody (BM1611). The sample well of each lane was loaded with 50ug of sample under reducing conditions.
Lane 1: Hela whole cell lysates,
Lane 2: HepG2 whole cell lysates,
Lane 3: monkey COS-7 whole cell lysates,
Lane 4: U-87MG whole cell lysates,
Lane 5: rat heart tissue lysates,
Lane 6: rat PC-12 whole cell lysates,
Lane 7: mouse heart tissue lysates,
Lane 8: mouse NIH/3T3 whole cell lysates.
Use mouse anti- Vinculin 1:1000, probed with a goat anti-mouse IgG-HRP secondary antibody. The signal is developed using an Enhanced Chemiluminescent detection (ECL) kit (Catalog # EK1001). A specific band was detected for Vinculin at approximately 124KD. The expected band size for Vinculin is at 124KD.

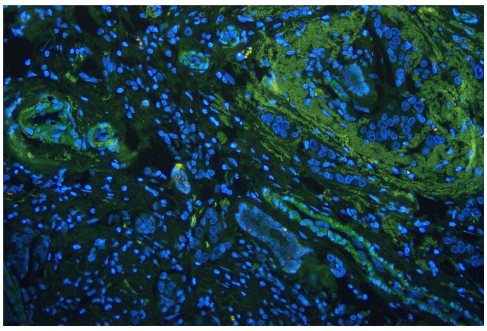


IHC analysis of Vinculin using anti-Vinculin antibody (BM1611). Vinculin was detected in frozen section of human placenta tissues. The tissue section was blocked with 10% goat serum. The tissue section was then incubated with 1µg/ml rabbit anti-Vinculin Antibody (BM1611) overnight at 4°C. Biotinylated goat anti- mouse IgG was used as secondary antibody and incubated for 30 minutes at 37°C. The tissue section was developed using Strepavidin-Biotin-Complex (SABC)(Catalog # SA1021) with DAB as the chromogen.

Anti-Vinculin/VCL Antibody (Clone#hVIN-1)

Catalog Number: *BM1611*

BOSTER
antibody and ELISA experts
BOSTER BIOLOGICAL TECHNOLOGY
Building C21, 3rd to 5th Floors, Optics Valley Biopharmaceutical Accelerator,
East Lake High-Tech Development Zone, Wuhan.
Web: www.boster.com ***Phone:*** 027-67845390/1/2 ***Email:*** boster@boster.com



IF analysis of Vinculin using anti- Vinculin antibody (BM1611). Vinculin was detected in immunocytochemical section of human mammary cancer cell. Enzyme antigen retrieval was performed using IHC enzyme antigen retrieval reagent (AR0022) for 15 mins. The cells were blocked with 10% goat serum. And then incubated with 2µg/mL mouse anti- Vinculin Antibody (BM1611) overnight at 4°C. Fluoro488 Conjugated Goat Anti-Mouse IgG (BA1126) was used as secondary antibody at 1:100 dilution and incubated for 30 minutes at 37°C. The section was counterstained with DAPI. Visualize using a fluorescence microscope and filter sets appropriate for the label used.