

Anti-Vinculin VCL Rabbit Monoclonal Antibody

Catalog Number: M01207

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Overview

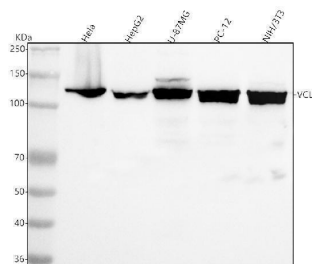
Product Name	Anti-Vinculin VCL Rabbit Monoclonal Antibody
Reactive Species	Human, Mouse, Rat
Description	Boster Bio Anti-Vinculin VCL Rabbit Monoclonal Antibody catalog # M01207. Tested in WB, IHC, ICC/IF, IP applications. This antibody reacts with Human, Mouse, Rat.
Application	IP, IF, IHC, ICC, WB
Clonality	Monoclonal AIG-22
Formulation	Rabbit IgG in stabilizing components, phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol. *This antibody is supplied in a stabilized formulation. Compatibility with conjugation reactions depends on the chemistry of the conjugation method used. For conjugation methods that are not compatible with the stabilizing components present in this formulation, a carrier-free antibody format is required.
Storage Instructions	Store at -20°C for one year. For short term storage and frequent use, store at 4°C for up to one month. Avoid repeated freeze-thaw cycles.
Host	Rabbit
Uniprot ID	P18206

Technical Details

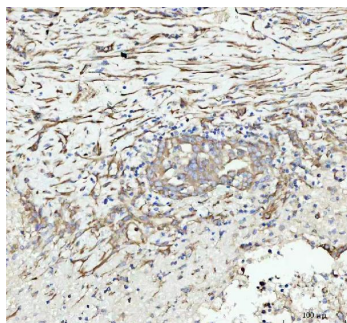
Immunogen	A synthesized peptide derived from human Vinculin
Isotype	Rabbit IgG
Form	Liquid
Concentration	0.5mg/ml
Purification	Affinity-chromatography
Suggested Dilutions	WB 1:500-2000

	IHC 1:50-200 ICC/IF 1:50-200 IP 1:20
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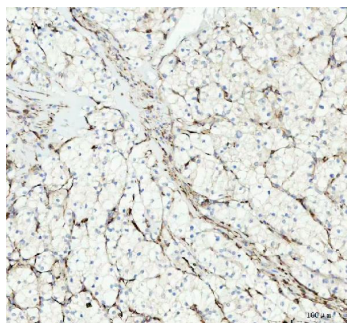
Anti-Vinculin VCL Rabbit Monoclonal Antibody (M01207) Images



Western blot analysis of Vinculin using anti-Vinculin antibody (M01207). Electrophoresis was performed on a 5-20% SDS-PAGE gel at 70V (Stacking gel) / 90V (Resolving gel) for 2-3 hours. The sample well of each lane was loaded with 30 ug of sample under reducing conditions. Lane 1: human Hela whole cell lysates, Lane 2: human HepG2 whole cell lysates, Lane 3: human U-87MG whole cell lysates, Lane 4: rat PC-12 whole cell lysates, Lane 5: mouse NIH/3T3 whole cell lysates. After electrophoresis, proteins were transferred to a nitrocellulose membrane at 150 mA for 50-90 minutes. Blocked the membrane with 5% non-fat milk/TBS for 1.5 hour at RT. The membrane was incubated with rabbit anti-Vinculin antigen affinity purified monoclonal antibody (Catalog # M01207) at 1:10000 overnight at 4°C, then washed with TBS-0.1%Tween 3 times with 5 minutes each and probed with a goat anti-rabbit IgG-HRP secondary antibody at a dilution of 1:500 for 1.5 hour at RT. The signal is developed using an Enhanced Chemiluminescent detection (ECL) kit (Catalog # EK1002) with Tanon 5200 system. A specific band was detected for Vinculin at approximately 124 kDa. The expected band size for Vinculin is at 124 kDa.

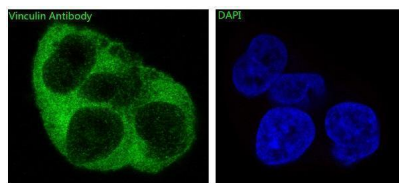


IHC analysis of Vinculin using anti-Vinculin antibody (M01207). Vinculin was detected in a paraffin-embedded section of human colorectal adenocarcinoma tissue. Heat mediated antigen retrieval was performed in EDTA buffer (pH 8.0, epitope retrieval solution). The tissue section was blocked with 10% goat serum. The tissue section was then incubated with 1:50 rabbit anti-Vinculin Antibody (M01207) overnight at 4°C. Peroxidase Conjugated Goat Anti-rabbit IgG was used as secondary antibody and incubated for 30 minutes at 37°C. The tissue section was developed using HRP Conjugated Rabbit IgG Super Vision Assay Kit (Catalog # SV0002) with DAB as the chromogen.



IHC analysis of Vinculin using anti-Vinculin antibody (M01207). Vinculin was detected in a paraffin-embedded section of human renal cell carcinoma tissue. Heat mediated antigen retrieval was performed in EDTA buffer (pH 8.0, epitope retrieval solution). The tissue section was blocked with 10% goat serum. The tissue section was then incubated with 1:50 rabbit anti-Vinculin Antibody (M01207) overnight at 4°C. Peroxidase Conjugated Goat Anti-rabbit IgG was used as secondary antibody and incubated for 30 minutes at 37°C. The tissue section was developed using HRP Conjugated Rabbit IgG Super Vision Assay Kit (Catalog # SV0002) with DAB as the chromogen.

Immunofluorescent analysis of A673 cells, using Vinculin Antibody .



4 Publications Citing This Product

1. PubMed ID: 30873379, Wang K,Xing ZH,Jiang QW,Yang Y,Huang JR,Yuan ML,Wei MN,Li Y,Wang ST,Liu K,Shi Z.Targeting uPAR by CRISPR/Cas9 System Attenuates Cancer Malignancy and Multidrug Resistance.Front Oncol.2019 Feb 27;9:80.doi:10.3389/fonc.2019.00080.PMID:30873379;PMCID:PMC6400983.
2. PubMed ID: 25888745, Su F,, Liu Ss,, Ma JI, Wang Ds, E LI, Liu Hc. Stem Cell Res Ther. 2015 Mar 12;6:22. Doi: 10.1186/S13287-015-0023-3. Enhancement Of Periodontal Tissue Regeneration By Transplantation Of Osteoprotegerin-Engineered Periodontal Ligament Stem Cells.
3. PubMed ID: 25839041, Shen Z, Lu D, Li Q, Zhang Z, Zhu Y. Biomed Res Int. 2015;2015:871202. Doi: 10.1155/2015/871202. Epub 2015 Mar 8. Synthesis And Characterization Of Biodegradable Polyurethane For Hypopharyngeal Tissue Engineering.

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