Catalog Number: BM4051



Building C21, 3rd to 5th Floors, Optics Valley Biopharmaceutical Accelerator, East Lake High-Tech Development Zone, Wuhan.

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Basic Information	
Product Name	Anti-Vinculin/VCL Antibody (Clone#AIG-22)
Gene Name	VCL
Source	Rabbit
Clonality	Monoclonal
Isotype	IgG
Species Reactivity	human, mouse, rat
Tested Application	WB, IHC, ICC/IF, IP
Contents	500 ug/ml; Rabbit IgG in phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide, 0.4-0.5 mg/ml BSA and 50% glycerol.
Immunogen	A synthesized peptide derived from human Vinculin
Concentration	500 ug/ml
Purification	Affinity-chromatography
Observed MW	124 kDa
Dilution Ratios	Western blot (WB): 1:500-2000 Immunohistochemistry (IHC): 1:50-200 Immunocytochemistry/Immunofluorescence (ICC/IF):1:50-200 ImmunoPrecipitation (IP): 1:20

#### **Storage**

12 months from date of receipt, -20°C 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.

### Reference

Anti-Vinculin/VCL Antibody (Clone#AIG-22)被引用在4文献中。

# Anti-Vinculin/VCL Antibody (Clone#AIG-22)

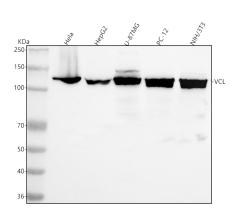
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## **Selected Validation Data**



Western blot analysis of anti-Vinculin/VCL antibody (BM4051). The sample well of each lane was loaded with 30 ug of sample under reducing conditions.

Lane 1: human Hela whole cell lysates,

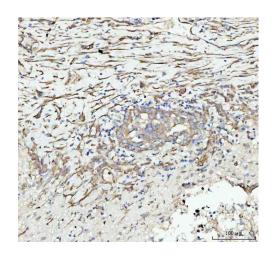
Lane 2: human HepG2 whole cell lysates,

Lane 3: human U-87 MG 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 membrane. Then the membrane was incubated with rabbit anti-Vinculin/VCL antigen affinity purified monoclonal antibody (BM4051) at a dilution of 1:1000 and probed with a goat anti-rabbit IgG-HRP secondary antibody (Catalog # BA1054). The signal is developed using ECL Plus Western Blotting Substrate (Catalog # AR1197). A specific band was detected for Vinculin/VCL at approximately 124 kDa. The expected band size for Vinculin/VCL is at 124 kDa.



IHC analysis of Vinculin/VCL using anti-Vinculin/VCL antibody (BM4051) . Vinculin/VCL was detected in a paraffin-embedded section of human colorectal adenocarcinoma tissue. The tissue section was incubated with rabbit anti-Vinculin/VCL Antibody (BM4051) at a dilution of 1:200 and developed using HRP Conjugated Rabbit IgG Super Vision Assay Kit (Catalog # SV0002) with DAB (Catalog # AR1027) as the chromogen.