

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): Immunohistochemistry (IHC): Immunocytochemistry/Immunofluorescence (ICC/IF): ImmunoPrecipitation (IP):	1:500-2000 1:50-200 1:50-200 1:20

Storage

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

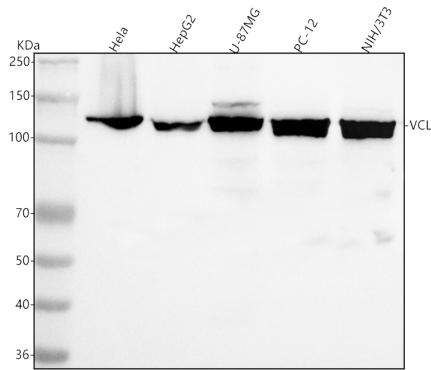
Background Information

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%). Vinculin is mapped to 10q22.1-q23.

Reference

Anti-Vinculin/VCL Antibody (Clone#AIG-22)被引用在2文献中。

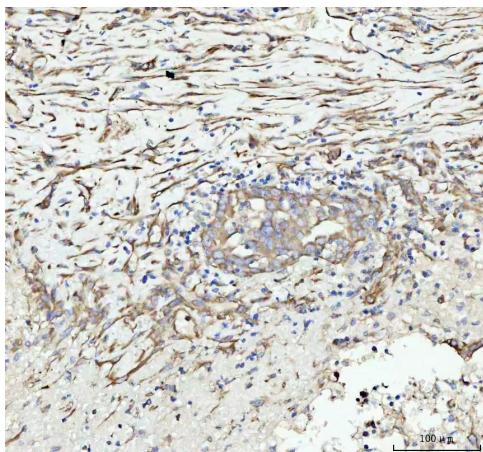
Selected Validation Data



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.