

Rabbit Vinculin Polyclonal Antibody | anti-VCL antibody

Vinculin Antibody

CATALOG # AAA40750	HOST Rabbit	REACTIVITY Human, Mouse, Rat	APPLICATIONS Western Blot, ELISA
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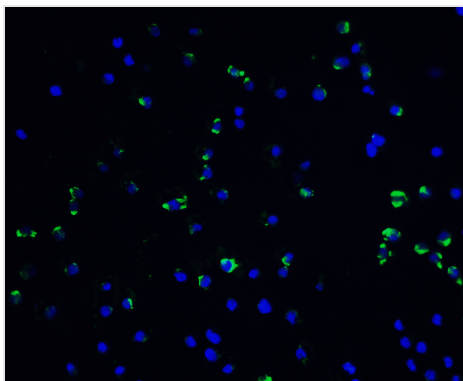
PRODUCT SYNONYMS

Vinculin; Polyclonal Antibody; Vinculin Antibody; MV; MVCL; CMD1W; CMH15; HEL114; Metavinculin; vinculin; anti-VCL antibody

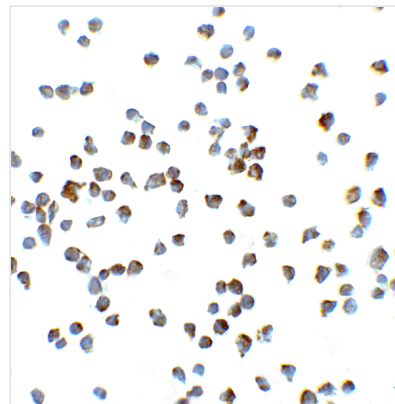
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	IgG
Specificity	Vinculin antibody is human, mouse and rat reactive. At least three isoforms of Vinculin are known to exist.
Purity/Purification	Vinculin antibody is affinity chromatography purified via peptide column.
Form/Format	Liquid
Concentration	1 mg/mL (varies by lot)
Sequence Length	1066
Applicable Applications for anti-VCL antibody	WB (Western Blot), ELISA
Conjugate	Unconjugated
Immunogen	Vinculin antibody was raised against a 23 amino acid peptide near the center of human Vinculin.
Buffer	Vinculin antibody is supplied in PBS containing 0.02% sodium azide.
Preparation and Storage	Antibody can be stored at 4°C up to one year. Antibodies should not be exposed to prolonged high temperatures.

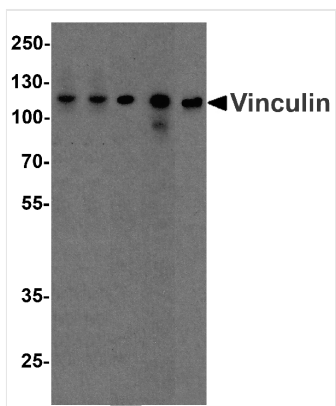
IMAGES


IF (Immunofluorescence)

Immunofluorescence of Vinculin in Jurkat cells with Vinculin antibody at 20 µg/ml. Green: Vinculin Antibody (7809) Blue: DAPI staining


ICC (Immunocytochemistry)

Immunocytochemistry of Vinculin in Jurkat cells with Vinculin antibody at 5 µg/ml.



WB (Western Blot)

Western blot analysis of Vinculin in A431, Daudi, Jurkat, Raji, and THP-1 cell lysate with Vinculin antibody at 1 µg/ml.

ADDITIONAL INFORMATION

Related Product Information for anti-VCL antibody

Vinculin is a cytoskeletal protein that plays an important role in the regulation of focal adhesions and embryonic development (1). Three structural vinculin domains include an amino-terminal head, a short flexible proline-rich region and a carboxy-terminal tail (2). Expression of vinculin were shown to be affected by the level of actin expression (2,3). Vinculin deficiencies are associated with a decrease in cell adhesion and an increase in cell motility, suggesting a possible role in metastatic growth (4). Defects in VCL are the cause of cardiomyopathy dilated type 1W (CMD1W) (5).

NCBI AND UNIPROT INFORMATION

NCBI GI #	4507877
NCBI GeneID	7414
NCBI Accession #	NP_003364
NCBI GenBank Nucleotide #	NM_003373.3
UniProt Accession #	P18206; Q16450; Q5SWX2; Q7Z3B8; Q8IXU7
Molecular Weight	Predicted: 120 kDa Observed: 117 kDa
NCBI Official Full Name	vinculin isoform VCL
NCBI Official Synonym Full Names	vinculin
NCBI Official Symbol	VCL
NCBI Official Synonym Symbols	MV; MVCL; CMD1W; CMH15; HEL114
NCBI Protein Information	vinculin; metavinculin; epididymis luminal protein 114
UniProt Protein Name	Vinculin
UniProt Gene Name	VCL
UniProt Synonym Gene Names	MV
UniProt Entry Name	VINC_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.