

Product datasheet for **TA355000**

Vinculin (VCL) Rabbit Polyclonal Antibody

Product data:

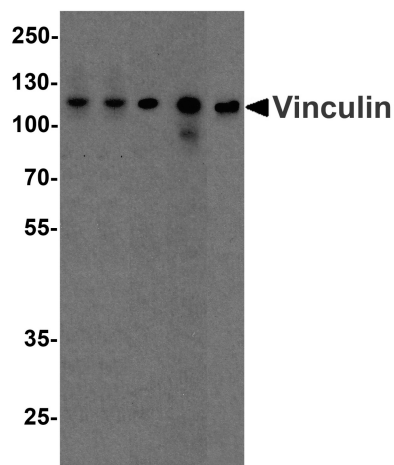
Product Type:	Primary Antibodies
Applications:	IF, WB
Recommended Dilution:	WB: 0.5-1µg/ml. IHC starting at 5µg/mL. IF start at 20µg/mL.
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Immunogen:	Vinculin antibody was raised against a 23 amino acid peptide near the amino of human Vinculin.
Formulation:	Vinculin antibody is supplied in PBS containing 0.02% sodium azide.
Concentration:	1 mg/ml
Purification:	Vinculin antibody is affinity chromatography purified via peptide column.
Conjugation:	Unconjugated
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Predicted Protein Size:	Predicted: 120 kDa; Observed: 117 kDa
Gene Name:	vinculin
Database Link:	NP_003364 Entrez Gene 7414 Human P18206
Background:	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).
Synonyms:	CMD1W; metavinculin; MVCL; vinculin



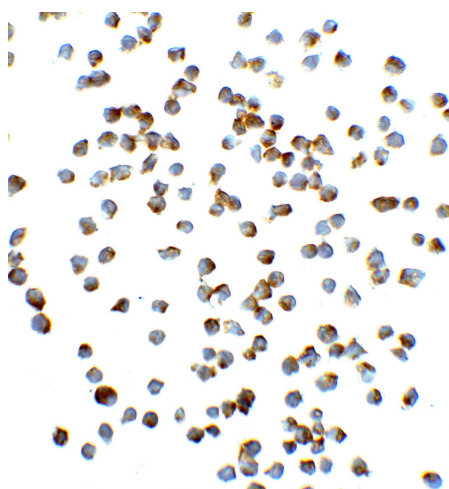
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Note: Vinculin antibody can be used for detection of Vinculin by Western blot at 0.5 - 1 $\mu\text{g/ml}$. Antibody can also be used for immunocytochemistry starting at 5 $\mu\text{g/mL}$. For immunofluorescence start at 20 $\mu\text{g/mL}$.

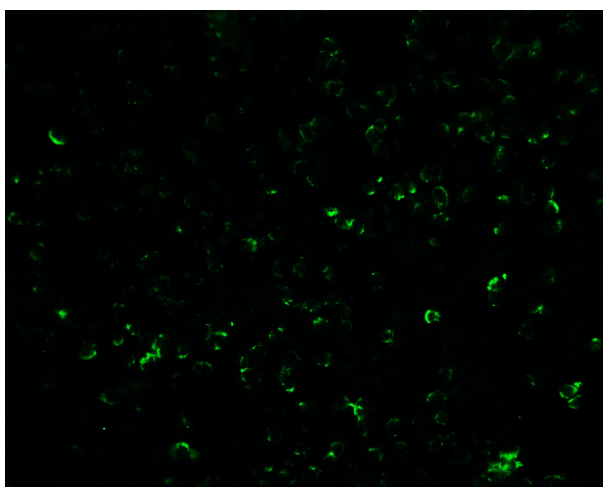
Product images:



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



Immunofluorescence of Vinculin in Jurkat cells with Vinculin antibody at 20ug/ml.



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