A2752

Leader in Biomolecular Solutions for Life Science

Recombinant

Vinculin Rabbit mAb

Catalog No.: A2752

21 Publications

Basic Information

Observed MW 124kDa

Calculated MW 124kDa

Category SMab Recombinant Monoclonal Antibody

Applications WB,IF/ICC,ELISA

Cross-Reactivity Human,Mouse,Rat

CloneNo number ARC51900

Background

Vinculin is a cytoskeletal protein associated with cell-cell and cell-matrix junctions, where it is thought to function as one of several interacting proteins involved in anchoring F-actin to the membrane. Defects in VCL are the cause of cardiomyopathy dilated type 1W. Dilated cardiomyopathy is a disorder characterized by ventricular dilation and impaired systolic function, resulting in congestive heart failure and arrhythmia. Multiple alternatively spliced transcript variants have been found for this gene, but the biological validity of some variants has not been determined.

Recommended Dilutions

WB	1:10000 - 1:300000
IF/ICC	1:50 - 1:200

Immunogen Information

Gene ID 7414 Swiss Prot P18206

Immunogen

A synthetic peptide corresponding to a sequence within amino acids 800-900 of human Vinculin (NP_054706.1).

Synonyms

MV; MVCL; CMD1W; CMH15; HEL114; Vinculin

Contact

Product Information

www.abclonal.com

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lsotype IgG Purification Affinity purification

Storage

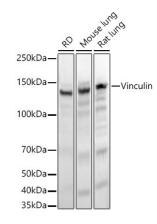
Source

Rabbit

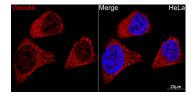
Store at -20°C. Avoid freeze / thaw cycles. Buffer: PBS with 0.05% proclin300,0.05% BSA,50% glycerol,pH7.3.



Validation Data



Western blot analysis of various lysates, using Vinculin Rabbit mAb (A2752) at 1:250000 dilution. Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution. Lysates/proteins: 25µg per lane. Blocking buffer: 3% nonfat dry milk in TBST. Detection: ECL Basic Kit (RM00020). Exposure time: 10s.



Confocal imaging of HeLa cells using Vinculin Rabbit mAb (A2752, dilution 1:100) (Red). DAPI was used for nuclear staining (blue). Objective: 60x.