

Datasheet for ABIN719261

anti-Vinculin antibody (AA 1001-1134)[Go to Product page](#)**1** Image**7** Publications

Overview

Quantity:	100 µL
Target:	Vinculin (VCL)
Binding Specificity:	AA 1001-1134
Reactivity:	Human, Mouse, Rat, Rabbit
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This Vinculin antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), Flow Cytometry (FACS), Immunohistochemistry (Frozen Sections) (IHC (fro)), Immunofluorescence (Cultured Cells) (IF (cc)), Immunofluorescence (Paraffin-embedded Sections) (IF (p))

Product Details

Immunogen:	KLH conjugated synthetic peptide derived from human Vinculin
Isotype:	IgG
Cross-Reactivity:	Human, Mouse, Rabbit, Rat
Predicted Reactivity:	Dog,Cow,Pig,Horse,Chicken
Purification:	Purified by Protein A.

Target Details

Target:	Vinculin (VCL)
---------	----------------

Target Details

Alternative Name:	Vinculin (VCL Products)
Background:	Synonyms: MV, MVCL, CMD1W, CMH15, HEL114, Vinculin, Metavinculin, VCL Background: Actin filament (F-actin)-binding protein involved in cell-matrix adhesion and cell-cell adhesion. Regulates cell-surface E-cadherin expression and potentiates mechanosensing by the E-cadherin complex. May also play important roles in cell morphology and locomotion.
Gene ID:	7414
UniProt:	P18206
Pathways:	Cell-Cell Junction Organization , Maintenance of Protein Location , Signaling Events mediated by VEGFR1 and VEGFR2

Application Details

Application Notes:	WB 1:300-5000 ELISA 1:500-1000 FCM 1:20-100 IHC-P 1:200-400 IHC-F 1:100-500 IF(IHC-P) 1:50-200 IF(IHC-F) 1:50-200 IF(ICC) 1:50-200
Restrictions:	For Research Use only

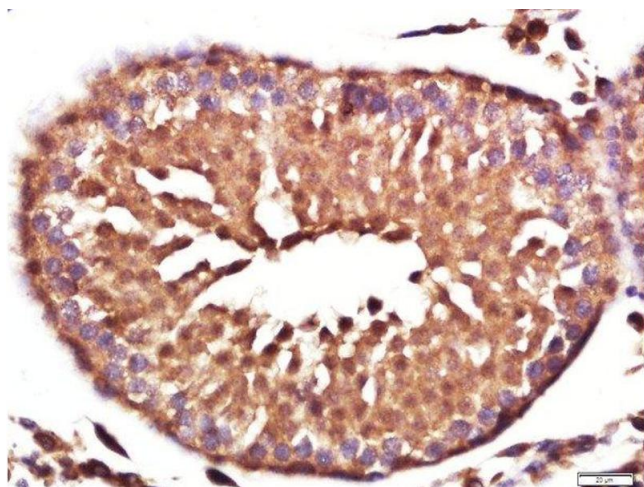
Handling

Format:	Liquid
Concentration:	1 µg/µL
Buffer:	0.01M TBS(pH 7.4) with 1 % BSA, 0.02 % Proclin300 and 50 % Glycerol.
Preservative:	ProClin
Precaution of Use:	This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE, which should be handled by trained staff only.
Storage:	4 °C,-20 °C
Storage Comment:	Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.
Expiry Date:	12 months

Publications

- Product cited in: Yunes-Medina, Paciorkowski, Nuzbrokh, Johnson: "Depletion of transglutaminase 2 in neurons alters expression of extracellular matrix and signal transduction genes and compromises cell viability." in: **Molecular and cellular neurosciences**, Vol. 86, pp. 72-80, (2018) ([PubMed](#)).
- Dhawan, Pan, Shie, Chu, Huang, Chen, Chen: "The Spatiotemporal Control of Osteoblast Cell Growth, Behavior, and Function Dictated by Nanostructured Stainless Steel Artificial Microenvironments." in: **Nanoscale research letters**, Vol. 12, Issue 1, pp. 86, (2017) ([PubMed](#)).
- Jiang, Yang, Li, Wu, Meng, Li: "Aqueous extracts of Tribulus terrestris protects against oxidized low-density lipoprotein-induced endothelial dysfunction." in: **Chinese journal of integrative medicine**, Vol. 22, Issue 3, pp. 193-200, (2016) ([PubMed](#)).
- Dhawan, Pan, Lee, Chu, Huang, Lin, Chen: "Spatial Control of Cell-Nanosurface Interactions by Tantalum Oxide Nanodots for Improved Implant Geometry." in: **PLoS ONE**, Vol. 11, Issue 6, pp. e0158425, (2016) ([PubMed](#)).
- He, Meng, Yao, Jiang, Wu, Wu: "The essential role of inorganic substrate in the migration and osteoblastic differentiation of mesenchymal stem cells." in: **Journal of the mechanical behavior of biomedical materials**, Vol. 59, pp. 353-65, (2016) ([PubMed](#)).
- There are more publications referencing this product on: [Product page](#)

Images



Immunohistochemistry (Paraffin-embedded Sections)

Image 1. Paraformaldehyde-fixed, paraffin embedded rat testis, Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min, Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes, Blocking buffer (normal goat serum) at 37°C for 30min, Antibody incubation with Vinculin Polyclonal Antibody, Unconjugated at 1:400 overnight at 4°C, followed by a conjugated secondary for 20 minutes and DAB staining.