

Product Datasheet

VE-Cadherin Antibody (BV14) - BSA Free NBP1-43347-0.1mg

Unit Size: 0.1 mg

Store at 4C. Do not freeze.

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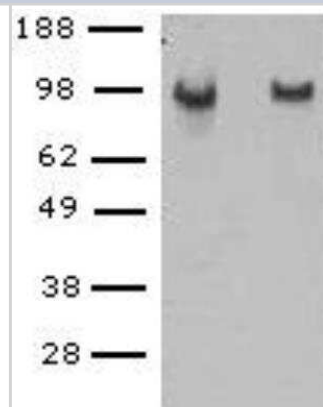
Product Information	
Unit Size	0.1 mg
Concentration	0.5 mg/ml
Storage	Store at 4C. Do not freeze.
Clonality	Monoclonal
Clone	BV14
Preservative	0.09% Sodium Azide
Isotype	IgG2b
Purity	Protein A or G purified
Buffer	PBS (pH 7.2)

Product Description	
Host	Rat
Gene ID	1003
Gene Symbol	CDH5
Species	Human, Mouse
Reactivity Notes	Use in Mouse reported in scientific literature (PMID:34179146).
Marker	Endothelial Cell Marker
Immunogen	The immunogen for this antibody was CD144.

Product Application Details	
Applications	Western Blot, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry, Immunohistochemistry-Frozen, Immunoprecipitation
Recommended Dilutions	Western Blot 2 ug/ml, Immunohistochemistry 1:10-1:500, Immunocytochemistry/ Immunofluorescence, Immunoprecipitation 1:10-1:500, Immunohistochemistry-Frozen 1:10-1:500
Application Notes	Use in WB reported in scientific literature (PMID:34179146)

Images

Western Blot: VE-Cadherin Antibody (BV14) [NBP1-43347] - Non-reduced (left) and reduced (right) bEnd.3 cell line lysates were loaded at 1×10^5 cells/lane, probed with 2 ug/mL of Anti-Mouse CD144 (VE-Cadherin) Purified and revealed with Anti-Rat IgG HRP.



Publications

Li J, Shi S, et al. FGFR1 is critical for the anti-endothelial mesenchymal transition effect of N-acetyl-seryl-aspartyl-lysyl-proline via induction of the MAP4K4 pathway. *Cell Death Dis* 2017-08-03 [PMID: 28771231] (WB, Rabbit)

Raghavan S, Kenchappa DB, Leo MD SARS-CoV-2 Spike Protein Induces Degradation of Junctional Proteins That Maintain Endothelial Barrier Integrity *Frontiers in cardiovascular medicine* 2021-06-11 [PMID: 34179146] (WB, Mouse)

Gao R, Kanasaki K, Li J et al. Beta klotho is essential for the anti-endothelial mesenchymal transition effects of N-acetyl-seryl-aspartyl-lysyl-proline *FEBS Open Bio.* [PMID: 30972974] (WB, ICC/IF, Human, Mouse)

Luo M, Flood EC, Almeida D et al. Annexin A2 supports pulmonary microvascular integrity by linking vascular endothelial cadherin and protein tyrosine phosphatases *J. Exp. Med.* 2017-07-10 [PMID: 28694388] (WB, Mouse)

Crosby CV, Fleming PA, Argraves WS, Corada M, Zanetta L, Dejana E, Drake CJ. VE-cadherin is not required for the formation of nascent blood vessels but acts to prevent their disassembly. *Blood*;105(7):2771-6. 2005-04-01 [PMID: 15604224]

Liao F, Li Y, O'Connor W, Zanetta L, Bassi R, Santiago A, Overholser J, Hooper A, Mignatti P, Dejana E, Hicklin DJ, Bohlen P. Monoclonal antibody to vascular endothelial-cadherin is a potent inhibitor of angiogenesis, tumor growth, and metastasis. *Cancer Res*;60(24):6805-10. 2000-12-15 [PMID: 11156369]

Corada M, Mariotti M, Thurston G, Smith K, Kunkel R, Brockhaus M, Lampugnani MG, Martin-Padura I, Stoppacciaro A, Ruco L, McDonald DM, Ward PA, Dejana E. Vascular endothelial-cadherin is an important determinant of microvascular integrity in vivo. *Proc Natl Acad Sci U S A*;96(17):9815-20. 1999-08-17 [PMID: 10449777] (IF/IHC)





Novus Biologicals USA

10730 E. Briarwood Avenue
Centennial, CO 80112
USA
Phone: 303.730.1950
Toll Free: 1.888.506.6887
Fax: 303.730.1966
nb-customerservice@bio-techne.com

Bio-Techne Canada

21 Canmotor Ave
Toronto, ON M8Z 4E6
Canada
Phone: 905.827.6400
Toll Free: 855.668.8722
Fax: 905.827.6402
canada.inquires@bio-techne.com

Bio-Techne Ltd

19 Barton Lane
Abingdon Science Park
Abingdon, OX14 3NB, United Kingdom
Phone: (44) (0) 1235 529449
Free Phone: 0800 37 34 15
Fax: (44) (0) 1235 533420
info.EMEA@bio-techne.com

General Contact Information

www.novusbio.com
Technical Support: nb-technical@bio-techne.com
Orders: nb-customerservice@bio-techne.com
General: novus@novusbio.com

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NBP1-75398	Goat anti-Rat IgG (H+L) Secondary Antibody (Pre-adsorbed)
DDXCR03	Rat IgG2b Isotype Control
NBP3-21223PEP	VE-Cadherin Recombinant Protein Antigen

Limitations

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