

Product Datasheet

VEGF Antibody NB100-664SS

Unit Size: 0.025 mg

Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.

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NB100-664SS

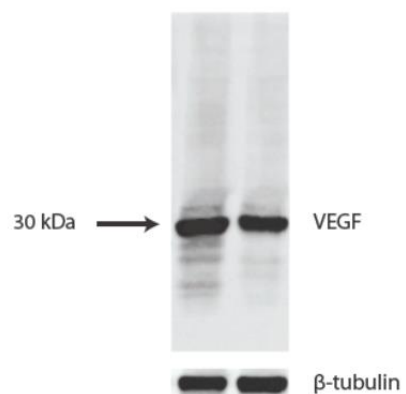
VEGF Antibody (VG1)

Product Information	
Unit Size	0.025 mg
Concentration	1 mg/ml
Storage	Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.
Clonality	Monoclonal
Clone	VG1
Preservative	0.05% Sodium Azide
Isotype	IgG1 Kappa
Purity	Protein G purified
Buffer	Tris-glycine, 150mM NaCl pH 7.5
Product Description	
Host	Mouse
Gene ID	7422
Gene Symbol	VEGFA
Species	Human, Mouse, Rat, Canine
Species Reactivity	Human, Mouse, Rat, and Dog.
Specificity/Sensitivity	This VEGF Antibody (VG1) detects the 189, 165 and 121 isoforms of VEGF
Immunogen	Recombinant VEGF 189 protein.
Product Application Details	
Applications	Western Blot, ELISA, Immunocytochemistry/Immunofluorescence, Immunohistochemistry, Immunohistochemistry-Frozen, Immunohistochemistry-Paraffin
Recommended Dilutions	ELISA, Immunocytochemistry/Immunofluorescence 1:10-1:500, Immunohistochemistry 1:20-1:100, Immunohistochemistry-Frozen 1:20-1:100, Immunohistochemistry-Paraffin 1:20-1:100, Western Blot 1-2 ug/ml
Application Notes	This VEGF antibody is useful for Immunohistochemistry (frozen and paraffin-embedded sections), Western blot and Immunocytochemistry/Immunofluorescence. ELISA was reported in scientific literature. In IHC a dilution of 1:20-1:50 was used in an ABC method. However, depending on the staining conditions employed, we suggest that the final dilution should be determined by the user. We suggest an incubation period of 30-60 minutes at room temperature. High temperature treatment of formalin-fixed tissue sections using 1mM EDTA, pH 8.0 must be performed prior to the immunostaining.

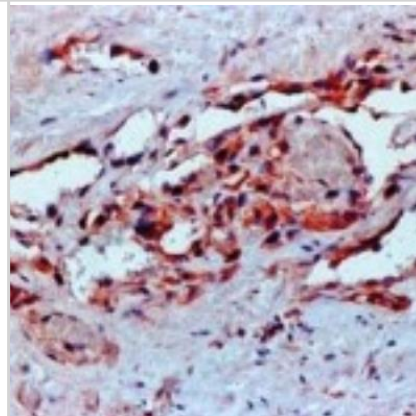


Images

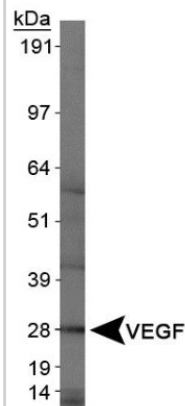
Western Blot: VEGF Antibody (VG1) [NB100-664] - HUVEC and 293T Cells tested at 1:1000. Image provided by verified customer review.



Immunohistochemistry-Paraffin: VEGF Antibody (VG1) [NB100-664] - Analysis of Vascular Endothelial GF formalin-fixed paraffin embedded human angiosarcoma.



Western Blot: VEGF Antibody (VG1) [NB100-664] - Western blot analysis of VEGF in human kidney protein using NB100-664.



Publications

Tam JCW, Ko CH, Lau KM et al. A Chinese 2-herb formula (NF3) promotes hindlimb ischemia-induced neovascularization and wound healing in diabetic rats. *Journal of Diabetes and ...* 3/21/2014 [PMID: 24731763] (IHC-Fr, Rat)

Johansen FF, Hasseldam H, Rasmussen RS et al. Drug-Induced Hypothermia as Beneficial Treatment before and after Cerebral Ischemia. *Pathobiology*. 2013 Aug 23 [PMID: 23989388]

Fedorova LV, Sodhi K, Gatto-Weis C et al. Peroxisome Proliferator-Activated Receptor delta Agonist, HPP593, Prevents Renal Necrosis under Chronic Ischemia. *PLoS One* 2013 May 15 [PMID: 23691217] (WB, Rat)

Kunze D, Wuttig D, Kausch I et al. Antisense-mediated inhibition of survivin, hTERT and VEGF in bladder cancer cells in vitro and in vivo. *Int J Oncol* 2008 May [PMID: 18425331] (IHC-P, Mouse)

Milanesi A, Lee JW, Li Z et al. Beta-Cell Regeneration Mediated by Human Bone Marrow Mesenchymal Stem Cells *PLoS One* 2012 [PMID: 22879915] (IHC, ICC/IF, Mouse)

Ptaszynska MM, Pendrak ML, Bandle RW, Stracke ML, Roberts DD. Positive feedback between vascular endothelial growth factor-A and autotaxin in ovarian cancer cells. *Mol Cancer Res*;6(3):352-63. 2008 Mar. [PMID: 18337445] (WB, Human)

Giatromanolaki A, Koukourakis MI, Simopoulos C, Polychronidis A, Sivridis E. Vascular endothelial growth factor (VEGF) expression in operable gallbladder carcinomas. *Eur J Surg Oncol*;29(10):879-83. 2003 Dec. [PMID: 14624781]

Kapsoritakis A, Sfiridaki A, Maltezos E, Simopoulos K, Giatromanolaki A, Sivridis E, Koukourakis MI. Vascular endothelial growth factor in inflammatory bowel disease. *Int J Colorectal Dis*. 18(5):418-22. PubMed PMID: 12761641. 2003 Sep. [PMID: 12761641]

Giatromanolaki A, Koukourakis MI, Sivridis E, Turley H, Wykoff CC, Gatter KC, Harris AL. DEC1 (STRA13) protein expression relates to hypoxia- inducible factor 1-alpha and carbonic anhydrase-9 overexpression in non-small cell lung cancer. *J Pathol*;200(2):222-8. 2003 Jun. [PMID: 12754744]

Giatromanolaki A, Sivridis E, Maltezos E, Papazoglou D, Simopoulos C, Gatter KC, Harris AL, Koukourakis MI. Hypoxia inducible factor 1alpha and 2alpha overexpression in inflammatory bowel disease. *J Clin Pathol*;56(3):209-13. 2003 Mar. [PMID: 12610101]

Zhang HT, Scott PA, Morbidelli L, Peak S, Moore J, Turley H, Harris AL, Ziche M, Bicknell R. The 121 amino acid isoform of vascular endothelial growth factor is more strongly tumorigenic than other splice variants in vivo. *Br J Cancer*;83(1):63-8. 2000 Jul. [PMID: 10883669]

Giatromanolaki A, Koukourakis MI, Sivridis E, O'Byrne K, Cox G, Thorpe PE, Gatter KC, Harris AL. Coexpression of MUC1 glycoprotein with multiple angiogenic factors in non-small cell lung cancer suggests coactivation of angiogenic and migration pathways. *Clin Cancer Res*;6(5):1917-21. 2000 May. [PMID: 10815916]

More publications at <http://www.novusbio.com/NB100-664>





Novus Biologicals USA

8100 Southpark Way, A-8
Littleton, CO 80120
USA
Phone: 303.730.1950
Toll Free: 1.888.506.6887
Fax: 303.730.1966
novus@novusbio.com

Novus Biologicals Canada

461 North Service Road West, Unit B37
Oakville, ON L6M 2V5
Canada
Phone: 905.827.6400
Toll Free: 855.668.8722
Fax: 905.827.6402
canada@novusbio.com

Novus Biologicals Europe

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@bio-techne.com

General Contact Information

www.novusbio.com
Technical Support: technical@novusbio.com
Orders: orders@novusbio.com
General: novus@novusbio.com

Limitations

This product is for research use only and is not approved for use in humans or in clinical diagnosis. Primary Antibodies are guaranteed for 1 year from date of receipt.

For more information on our guarantee, please visit www.novusbio.com/guarantee.

