Product Datasheet

VEGF-C Antibody - Azide and BSA Free
NB110-61022

Unit Size: 0.1 mg

Aliquot and store at -20C or -80C. Avoid freeze-thaw cycles.

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Reviews: 1 Publications: 17

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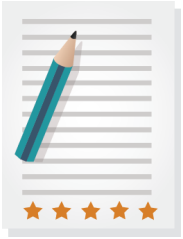
Updated 9/9/2025 v.20.1



NB110-61022

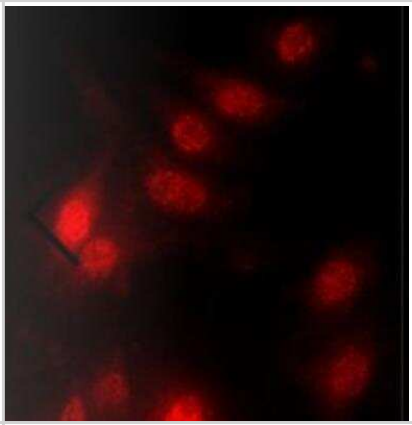
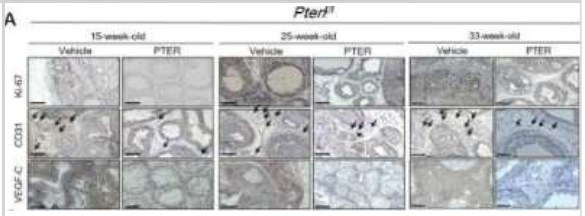
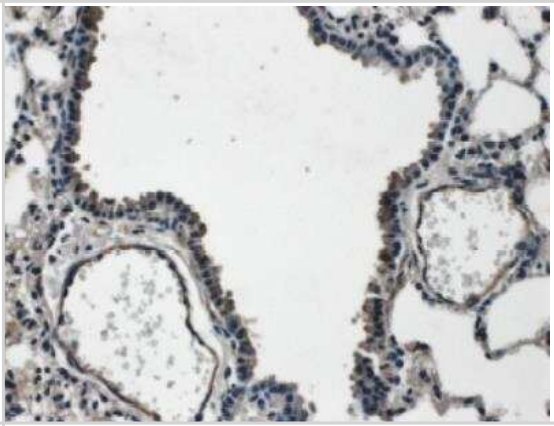
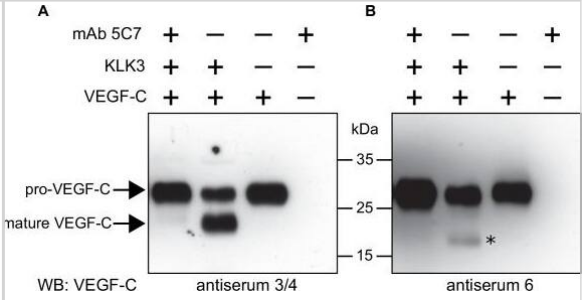
VEGF-C Antibody - Azide and BSA Free

Product Information	
Unit Size	0.1 mg
Concentration	LYOPH mg/ml
Storage	Aliquot and store at -20C or -80C. Avoid freeze-thaw cycles.
Clonality	Polyclonal
Preservative	No Preservative
Reconstitution Instructions	Reconstitute with sterilized PBS to a final concentration of 0.2 mg/mL.
Isotype	IgG
Purity	Protein G purified
Buffer	Lyophilized from a 0.2 um filtered solution in PBS. 0.025 mg size is provided in liquid form, PBS

Product Description	
Description	Novus Biologicals Rabbit VEGF-C Antibody - Azide and BSA Free (NB110-61022) is a polyclonal antibody validated for use in IHC, WB and ICC/IF. Anti-VEGF-C Antibody: Cited in 16 publications. All Novus Biologicals antibodies are covered by our 100% guarantee.
Host	Rabbit
Gene ID	7424
Gene Symbol	VEGFC
Species	Human, Mouse, Rat
Specificity/Sensitivity	This antibody recognizes rat VEGF-C and has strong cross-reactivity with mouse and human VEGF-C.
Immunogen	Rat VEGF-C full length protein

Product Application Details	
Applications	Western Blot, Immunohistochemistry-Paraffin, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry, Immunohistochemistry-Frozen
Recommended Dilutions	Western Blot 1:500-1:1000, Immunohistochemistry 1:50-1:200, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry-Paraffin 1:50-1:200, Immunohistochemistry-Frozen 1:10-1:500

Images

Immunocytochemistry/Immunofluorescence: VEGF-C Antibody [NB110-61022] - bEnd.3 mouse brain endothelioma cell line stained with Vegf-c antibody at 1:500. ICC/IF image submitted by a verified customer review.	
Immunohistochemistry-Paraffin: VEGF-C Antibody [NB110-61022] - Pterostilbene significantly inhibits MTA1-dependent cell proliferation and angiogenesis and induces MTA1-targeted apoptosis in Ptenf/f mice(A) Representative Ki-67 (top, each panel), CD31 (middle, each panel) and VEGF-C (bottom, each panel) staining of the prostate tissues from Ptenf/f mice treated with vehicle and PTER, at indicated ages. Arrows indicate vessels. Scale bars, 100 um. Image collected and cropped by CiteAb from the following publication (//www.oncotarget.com/fulltext/7841) licensed under a CC-BY license.	
Immunohistochemistry: VEGF-C Antibody [NB110-61022] - VEGFC Antibody [NB110-61022] - 4% PFA fixed and paraffin embedded mouse Lung tissue section was subjected to IHC staining of mouse VEGF-C.	
Western Blot: VEGF-C Antibody [NB110-61022] - Kallikrein-related peptidase 3 (KLK3)/Prostate specific antigen (PSA) activates VEGF-C. (A, B) Cleavage of pro-VEGF-C by KLK3 (PSA). Pro-VEGF-C was incubated with or without KLK3, with & without the monoclonal antibody against KLK3 (5C7). Detection of VEGF-C in Western blots probed with antiserum 6 & 3/4, resulting in the detection of pro-VEGF-C (29/31 kDa) & activated, mature VEGF-C (21/23 kDa). The band marked by the asterisk likely represents the N-terminal propeptide (~15 kDa) which is detected by the antiserum 6. Note that for the image shown for antiserum 6, two different exposures of the same blot were merged (n = 3). (C, D) VEGF-C processed by KLK3 is biologically active in Ba/F3 cell assays, which translate activation of a hybrid VEGFR/EpoR receptor into cell survival (n = 2). Error bars indicate SD.10.7554/eLife.44478.004Figure 1—source data 1.Ba/F3 assay showing the activity of KLK3-cleaved VEGF-C.Ba/F3 assay showing the activity of KLK3-cleaved VEGF-C. Image collected & cropped by CiteAb from the following publication (https://pubmed.ncbi.nlm.nih.gov/31099754), licensed under a CC-BY license. Not internally tested by Novus Biologicals.	

Publications

Damon-Soubeyrand C, Bongiovanni A, Chorfa A et al. Three-dimensional imaging of vascular development in the mouse epididymis eLife 2023-06-13 [PMID: 37310207] (Human)

Butt NA, Kumar A, Dhar S et al. Targeting MTA1/HIF-1a signaling by pterostilbene in combination with histone deacetylase inhibitor attenuates prostate cancer progression. Cancer Med 2017-11-01 [PMID: 29024573]

Travisano SI, Harrison MRM, Thornton ME et al. Single-nuclei multiomic analyses identify human cardiac lymphatic endothelial cells associated with coronary arteries in the epicardium Cell reports 2023-09-06 [PMID: 37676760] (Zebrafish)

Travisano S, Harrison M, Thornton M et al. Single nuclei multiomic analyses identify human cardiac lymphatic endothelial cells associated with coronary arteries in the epicardium bioRxiv 2023-04-02 (IHC)

Choi, J, J A high-fat diet in the absence of obesity increases lymphangiogenesis by inducing VEGF-C in a murine lymphedema model Plastic and Reconstructive Surgery 2022-11-09 [PMID: 36730763]

Ni Y, Wu GH, Cai JJ et al. Tubule-mitophagic secretion of SerpinG1 reprograms macrophages to instruct anti-septic acute kidney injury efficacy of high-dose ascorbate mediated by NRF2 transactivation International journal of biological sciences 2022-08-08 [PMID: 35982894] (WB)

Sopo M, Anttila M, Hamalainen K, et al. Expression profiles of VEGF-A, VEGF-D and VEGFR1 are higher in distant metastases than in matched primary high grade epithelial ovarian cancer BMC Cancer 2019-06-14 [PMID: 31200683] (IHC-P, Human)

Garcia-Agudo LF, Janova H, Sendler LE et al. KLK3/PSA and cathepsin D activate VEGF-C and VEGF-D Elife 2019-05-17 [PMID: 31099754] (WB)

Xiong Y, Liu Z, Zhao X et al. CPT1A regulates breast cancer-associated lymphangiogenesis via VEGF signaling Biomed. Pharmacother. 2018-06-22 [PMID: 29940537] (Human)

Dhar S, Kumar A, Zhang L et al. Dietary pterostilbene is a novel MTA1-targeted chemopreventive and therapeutic agent in prostate cancer. Oncotarget 2016-04-05 [PMID: 26943043] (WB)

Yoshida S, Hamuy R, Hamada Y et al. Adipose-derived stem cell transplantation for therapeutic lymphangiogenesis in a mouse secondary lymphedema model. Regen Med. 2015-08-01 [PMID: 26237700] (IHC-P, Mouse)

Alves de Sousa E, Lourenco SV, de Paiva Prudente F et al. Head and neck squamous cell carcinoma lymphatic spread and survival: Study of the relevance of VEGF family for tumor evaluation. Head Neck. 2014-05-14 [PMID: 24824527] (IHC-P, Human)

More publications at http://www.novusbio.com/NB110-61022

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Products Related to NB110-61022

NBP2-33376H	Blue Marker Antibody (6F4-F6) [HRP]
HAF008	Goat anti-Rabbit IgG Secondary Antibody [HRP]
NB7160	Goat anti-Rabbit IgG (H+L) Secondary Antibody [HRP]
NBP2-24891	Rabbit IgG Isotype Control

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