

Product Datasheet

Von Willebrand Factor Antibody - BSA Free NB600-586-0.1ml

Unit Size: 0.1 ml

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

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NB600-586-0.1ml

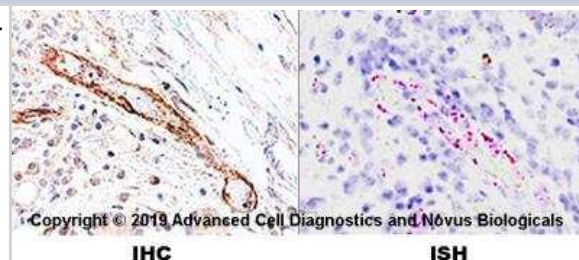
Von Willebrand Factor Antibody - BSA Free

Product Information	
Unit Size	0.1 ml
Concentration	Please see the vial label for concentration. If unlisted please contact technical services.
Storage	Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.
Clonality	Polyclonal
Preservative	0.09% Sodium Azide
Isotype	IgG
Purity	IgG purified
Buffer	10 mM PBS (pH 7.4)
Product Description	
Description	Novus Biologicals Rabbit Von Willebrand Factor Antibody - BSA Free (NB600-586) is a polyclonal antibody validated for use in IHC, Dual RNAscope ISH-IHC and ICC/IF. Anti-Von Willebrand Factor Antibody: Cited in 13 publications. All Novus Biologicals antibodies are covered by our 100% guarantee.
Host	Rabbit
Gene ID	7450
Gene Symbol	VWF
Species	Human, Mouse, Canine, Feline
Reactivity Notes	Mouse reactivity reported in scientific literature (PMID: 31738896). Feline reactivity reported in scientific literature (PMID:31616579).
Marker	Endothelial Cell Marker
Specificity/Sensitivity	The antibody specifically reacts with the cytoplasm of human endothelial cells from normal and neoplastic blood and from lymphatic vessels. It also reacts with human endocardium, platelets and megakaryocytes. It may be used for immunohistological studies of the vascular structures in frozen tissue preparations and enzymatically pre-digested, formalin, methacarn, Bouin's or ethanol-fixed and paraffin-embedded tissue sections.
Immunogen	Purified antisera of the Von Willebrand Factor (factor VIII R:ag) related antigen in plasma.
Product Application Details	
Applications	Immunohistochemistry-Paraffin, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry, Immunohistochemistry-Frozen, Dual RNAscope ISH-IHC
Recommended Dilutions	Immunohistochemistry 1:1000, Immunocytochemistry/ Immunofluorescence 1:200, Immunohistochemistry-Paraffin 1:1000, Immunohistochemistry-Frozen, Dual RNAscope ISH-IHC
Application Notes	IHC-P: We recommend proteolytic antigen retrieval. After deparaffinization treat with 0.1% Pronase in PBS for 5-10 minutes at 37 degrees C. Alternatively, digest with 0.1% Trypsin in PBS for 25 minutes at 37 degrees C. Gently rinse in PBS. This Von Willebrand Factor Antibody is validated for IHC-Fr from a verified customer review.

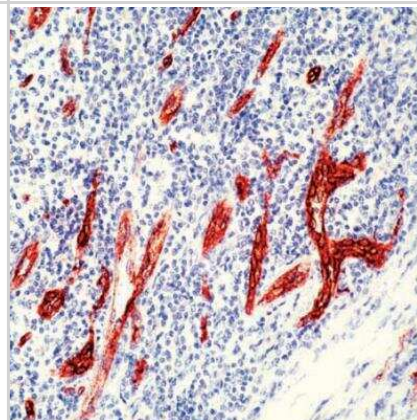


Images

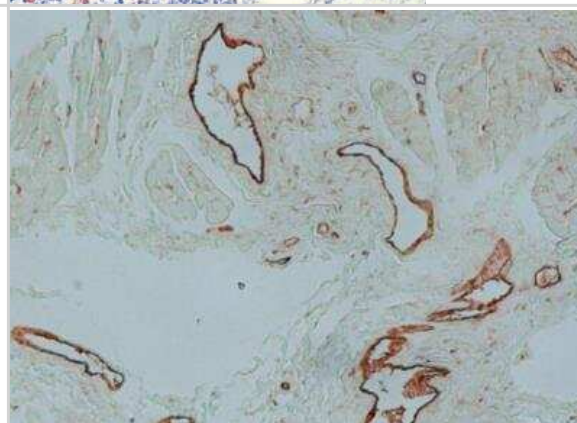
Dual RNAscope ISH-IHC: Von Willebrand Factor Antibody [NB600-586] - Formalin-fixed paraffin-embedded tissue sections of human metastatic tonsil were probed for vWF mRNA (ACD RNAScope probe, catalog # 5860461; Fast Red chromogen, ACD catalog # 322500). Adjacent tissue section was processed for immunohistochemistry using rabbit polyclonal (Novus catalog # NB600-586) at 1:500 dilution for 1 hour at room temperature followed by incubation with the anti-rabbit IgG VisUCyte HRP Polymer Antibody (Catalog # VC003) and DAB chromogen (yellow-brown). Tissue was counterstained with hematoxylin (blue).



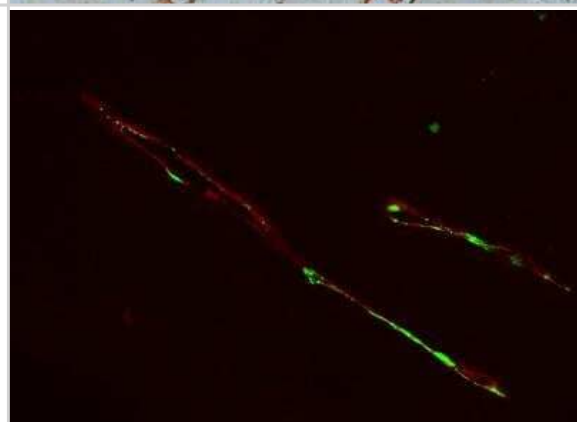
Immunohistochemistry: Von Willebrand Factor Antibody [NB600-586] - Formalin fixed paraffin embedded human tonsil stained with Factor VIII antibody.



Immunohistochemistry-Paraffin: Von Willebrand Factor Antibody [NB600-586] - Staining of formalin-fixed, paraffin-embedded Human Kidney sections with 1:2,000 Rabbit Anti-von Willebrand Factor.



Immunohistochemistry-Frozen: Von Willebrand Factor Antibody [NB600-586] - Canine brain/spinal cord. VWF antibody in green. A pericyte marker in red. Alexa Fluor conjugated secondary antibodies were used for visualization. IHC-Fr image submitted by a verified customer review.



Immunohistochemistry-Paraffin: Von Willebrand Factor Antibody [NB600-586] - Staining of formalin-fixed, paraffin-embedded Human Kidney sections with 1:2,000 Rabbit Anti-von Willebrand Factor.



Publications

AT Tang; DW Buchholz; KM Szigety; B Imbiakha; S Gao; M Frankfurte; M Wang; J Yang; P Hewins; P Mericko-Is; NA Leu; S Sterling; IA Monreal; J Sahler; A August; X Zhu; KA Jurado; M Xu; EE Morrissey; SE Millar; HC Aguilar; ML Kahn Cell-autonomous requirement for ACE2 across organs in lethal mouse SARS-CoV-2 infection PloS Biology 2023-02-06 [PMID: 36745682] (Immunocytochemistry/ Immunofluorescence, Human)

Black LM, Winfree S, Khochare SD et al. Quantitative 3-dimensional imaging and tissue cytometry reveals lymphatic expansion in acute kidney injury Laboratory investigation; a journal of technical methods and pathology 2021-05-20 [PMID: 34017058] (Immunocytochemistry/ Immunofluorescence, Human)

Jensyn J. VanZalen, Takahiro Nakashima, Annie Phillips, Joseph E. Hill, Angela J. Westover, Liandi Lou, Jinhui Liao, Joshua Mergos, Garrett Fogo, Thomas H. Sanderson, William C. Stacey, Mohamad Hakam Tiba, David H. Humes, Robert H. Bartlett, Alvaro Rojas-Peña, Robert W. Neumar Leukocyte filtration and leukocyte modulation therapy during extracorporeal cardiopulmonary resuscitation in a porcine model of prolonged cardiac arrest Scientific Reports 2024-06-07 [PMID: 38844477]

Siqi Gao, Alan T. Tang, Min Wang, David W. Buchholz, Brian Imbiakha, Jisheng Yang, Xiaowen Chen, Peter Hewins, Patricia Mericko-Ishizuka, N. Adrian Leu, Stephanie Sterling, Avery August, Kellie A. Jurado, Edward E. Morrissey, Hector Aguilar-Carreño, Mark L. Kahn Endothelial SARS-CoV-2 infection is not the underlying cause of COVID-19-associated vascular pathology in mice Frontiers in Cardiovascular Medicine 2023-09-26 [PMID: 37823176]

Maria Colzani, Johannes Bargehr, Federica Mescia, Eleanor C Williams, Vincent Knight-Schrijver, Jonathan Lee, Charlotte Summers, Irina Mohorianu, Kenneth G C Smith, Paul A Lyons, Sanjay Sinha Proinflammatory cytokines driving cardiotoxicity in COVID-19 Cardiovascular Research 2024-01-01 [PMID: 38041432]

Kameyama T, Miyata M, Shiotani H et al. Heterogeneity of perivascular astrocyte endfeet depending on vascular regions in the mouse brain iScience 2023-09-01 (IHC, Mouse)

Gao S, Tang A, Wang M et al. Endothelial SARS-CoV-2 infection is not the underlying cause of COVID19-associated vascular pathology in mice bioRxiv 2023-07-24 [PMID: 37546961] (Immunocytochemistry/ Immunofluorescence, Mouse)

Details:

1:100 ICC/IF dilution

Mary T, Kevin S, Kazuya O et al. Development and validation of methods to visualize conventional aqueous outflow pathways in canine primary angle closure glaucoma Veterinary Ophthalmology 2021-09-28 [PMID: 34581493] (ICC/IF, Canine)

Ghanem LY, Mansour IM, Abulata N et al. Liver Macrophage Depletion Ameliorates The Effect of Mesenchymal Stem Cell Transplantation in a Murine Model of Injured Liver Scientific Reports 2019-01-10 [PMID: 30631109] (IF/IHC, Mouse)

Xu X, Wang D, Han Z et al. A novel rat model of chronic subdural hematoma: Induction of inflammation and angiogenesis in the subdural space mimicking human-like features of progressively expanding hematoma Brain research bulletin 2021-04-28 [PMID: 33932488]

Snyder K, Oikawa K, Williams J, et al. Imaging Distal Aqueous Outflow Pathways in a Spontaneous Model of Congenital Glaucoma. Transl Vis Sci Technol. 2019-10-09 [PMID: 31616579] (IF, Feline)

Garrido-Gomez T, QuiNonero A, Dominguez F et al. Preeclampsia: a defect in decidualization is associated with deficiency of Annexin A2 Am. J. Obstet. Gynecol. 2019-11-15 [PMID: 31738896] (IF/IHC, Mouse)

More publications at <http://www.novusbio.com/NB600-586>





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Products Related to NB600-586-0.1ml

HAF008	Goat anti-Rabbit IgG Secondary Antibody [HRP]
NB7160	Goat anti-Rabbit IgG (H+L) Secondary Antibody [HRP]
NBP2-24891	Rabbit IgG Isotype Control
NBP1-84762PEP	Von Willebrand Factor Recombinant Protein Antigen

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.

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