

Product Datasheet

Von Willebrand Factor Antibody (VWF/1465) NBP2-53314-100ug

Unit Size: 100 ug

Store at 4C.

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NBP2-53314-100ug

Von Willebrand Factor Antibody (VWF/1465)

Product Information	
Unit Size	100 ug
Concentration	0.2 mg/ml
Storage	Store at 4C.
Clonality	Monoclonal
Clone	VWF/1465
Preservative	0.05% Sodium Azide
Isotype	IgG1 Kappa
Purity	Protein A or G purified
Buffer	10 mM PBS with 0.05% BSA
Target Molecular Weight	250 kDa

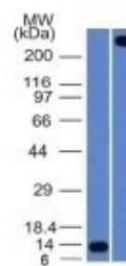
Product Description	
Description	200ug/ml of antibody purified from Bioreactor Concentrate by Protein A or G. Prepared in 10 mM PBS with 0.05% BSA & 0.05% azide. Also available WITHOUT BSA & azide at 1.0 mg/ml. (NBP2-54430) Antibody with azide - store at 2 to 8C. Antibody without azide - store at -20 to -80C.
Host	Mouse
Gene ID	7450
Gene Symbol	VWF
Species	Human
Marker	Endothelial Marker
Specificity/Sensitivity	von Willebrand Factor (vWF) is a multimeric glycoprotein that is found in endothelial cells, plasma and platelets. It acts as a carrier protein for Factor VIII and promotes platelet adhesion and aggregation. vWF undergoes a variety of posttranslational modifications that influence the affinity and availability for Factor VIII, including cleavage of the propeptide and formation of N-terminal disulfide bonds. This antibody helps to establish the endothelial nature of some lesions of disputed histogenesis, e.g. Kaposi sarcoma and cardiac myxoma. It is widely used for differentiating vascular lesions from those of other tissue differentiation within a panel of other vascular markers although not all tumors of endothelial differentiation contain this antigen.
Immunogen	Recombinant fragment of human Von Willebrand Factor protein (aa1815-1939) (exact sequence is proprietary) (Uniprot: P04275)

Product Application Details	
Applications	Western Blot, Flow Cytometry, Immunohistochemistry, Immunohistochemistry-Paraffin, Protein Array
Recommended Dilutions	Western Blot 1-2 ug/ml, Flow Cytometry 0.5 - 1 ug/million cells, Immunohistochemistry, Immunohistochemistry-Paraffin 1-2 ug/ml, Protein Array
Application Notes	Immunohistochemistry (Formalin-fixed): 1-2ug/ml for 30 minutes at RT. Staining of formalin-fixed tissues requires heating tissue sections in 10mM Tris with 1mM EDTA, pH 9.0, for 45 min at 95C followed by cooling at RT for 20 minutes. Optimal dilution for a specific application should be determined.

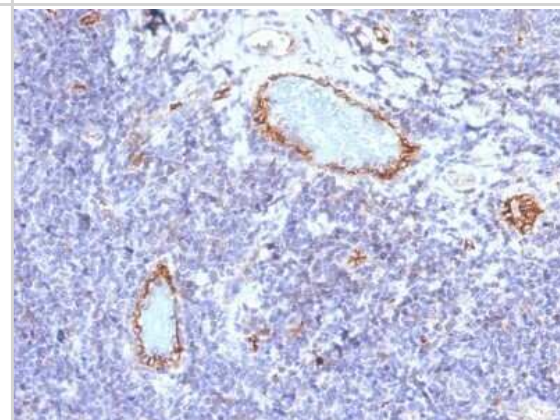


Images

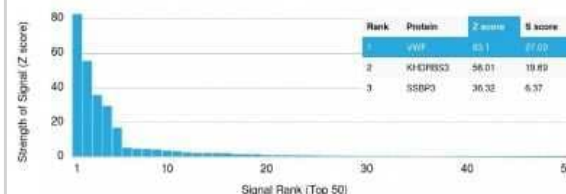
Western Blot: Von Willebrand Factor Antibody (VWF/1465) [NBP2-53314] - Western Blot Analysis A) Recombinant Protein (B) human lung lysate Using Monoclonal Antibody MAb (VWF/1465)



Immunohistochemistry-Paraffin: Von Willebrand Factor Antibody (VWF/1465) [NBP2-53314] - Formalin-fixed, paraffin-embedded human Tonsil stained with vWF Monoclonal Antibody (VWF/1465)



Protein Array: Von Willebrand Factor Antibody (VWF/1465) [NBP2-53314] - Analysis of Protein Array containing >19,000 full-length human proteins using Von Willebrand Factor antibody (VWF/1465)



Publications

Zhou H, Tu Q, Zhang Y et al. Shear stress improves the endothelial progenitor cell function via the CXCR7/ERK pathway axis in the coronary artery disease cases BMC Cardiovasc Disord 2020-09-07 [PMID: 32894067] (FLOW, Human)



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Products Related to NBP2-53314-100ug

HAF007	Goat anti-Mouse IgG Secondary Antibody [HRP]
NB720-B	Rabbit anti-Mouse IgG (H+L) Secondary Antibody [Biotin]
NBP1-43319-0.5mg	Mouse IgG1 Kappa Isotype Control (P3.6.2.8.1)
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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