

# 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**

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

**Product Description**

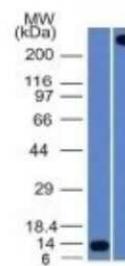
|                                |  |
|--------------------------------|--|
| <b>Description</b>             | 200ug/ml of antibody purified from Bioreactor Concentrate by Protein A or G. Prepared in 10 mM PBS with 0.05% BSA & 0.05% azide. Also available WITHOUT BSA & azide at 1.0 mg/ml. (NBP2-54430)<br><br>Antibody with azide - store at 2 to 8C. Antibody without azide - store at -20 to -80C.   |
| <b>Host</b>                    | Mouse  |
| <b>Gene ID</b>                 | 7450   |
| <b>Gene Symbol</b>             | VWF  |
| <b>Species</b>                 | Human  |
| <b>Marker</b>                  | Endothelial Marker   |
| <b>Specificity/Sensitivity</b> | 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's 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. |
| <b>Immunogen</b>               | Recombinant fragment of human Von Willebrand Factor protein (aa1815-1939) (exact sequence is proprietary) (Uniprot: P04275)  |

**Product Application Details**

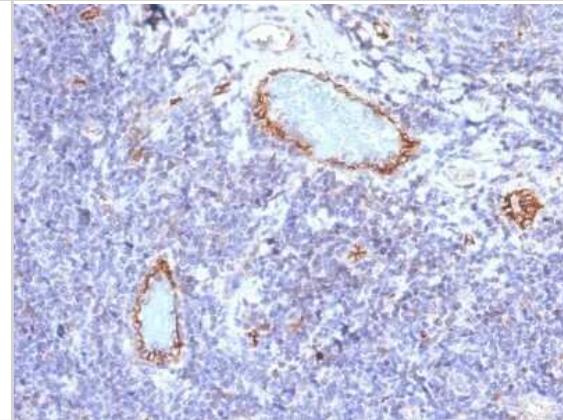
|                              |   |
|------------------------------|---|
| <b>Applications</b>          | Western Blot, Flow Cytometry, Immunohistochemistry, Immunohistochemistry-Paraffin, Protein Array  |
| <b>Recommended Dilutions</b> | Western Blot 1-2 ug/ml, Flow Cytometry 0.5 - 1 ug/million cells, Immunohistochemistry, Immunohistochemistry-Paraffin 1-2 ug/ml, Protein Array   |
| <b>Application Notes</b>     | 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

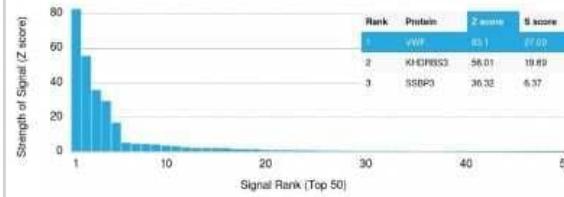
Western Blot: Von Willebrand Factor Antibody (VWF/1465) [NBP2-53314] - Western Blot Analysis A) Recombinant Protein (B) human lung lysate Using Monoclonal Antibody MAAb (VWF/1465)



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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