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VWF Antibody
Purified Mouse Monoclonal Antibody (Mab)
Catalog # AM8430b

Specification

VWF Antibody - Product Information

Application	**WB, IHC-P, FC,E**
Primary Accession	P04275
Reactivity	**Human**
Host	**Mouse**
Clonality	**Monoclonal**
Isotype	**IgG1**
Calculated MW	**309265**

VWF Antibody - Additional Information

Gene ID 7450

Other Names
von Willebrand factor, vWF, von Willebrand antigen 2, von Willebrand antigen II, VWF, F8VWF

Target/Specificity
This antibody is generated from a mouse immunized with .VWF recombinant protein.

Dilution
WB~~1□2000
IHC-P~~1:25
FC~~1:100

Format
Purified monoclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein G column, followed by dialysis against PBS.

Storage
Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

Precautions
VWF Antibody is for research use only and not for use in diagnostic or therapeutic procedures.

VWF Antibody - Protein Information

Name VWF

Synonyms F8VWF

Function Important in the maintenance of hemostasis, it promotes adhesion of platelets to the sites of vascular injury by forming a molecular bridge between sub-endothelial collagen matrix and

platelet- surface receptor complex GPIb-IX-V. Also acts as a chaperone for coagulation factor VIII, delivering it to the site of injury, stabilizing its heterodimeric structure and protecting it from premature clearance from plasma.

Cellular Location
Secreted. Secreted, extracellular space, extracellular matrix. Note=Localized to storage granules

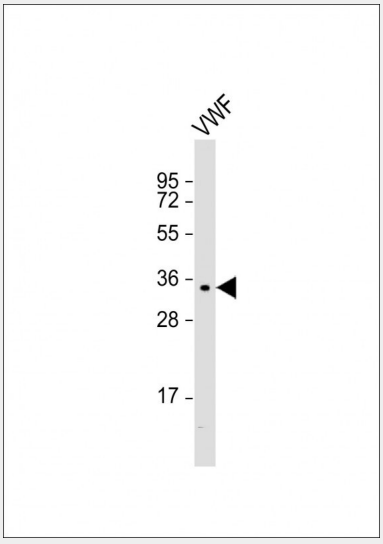
Tissue Location
Plasma.

VWF Antibody - Protocols

Provided below are standard protocols that you may find useful for product applications.

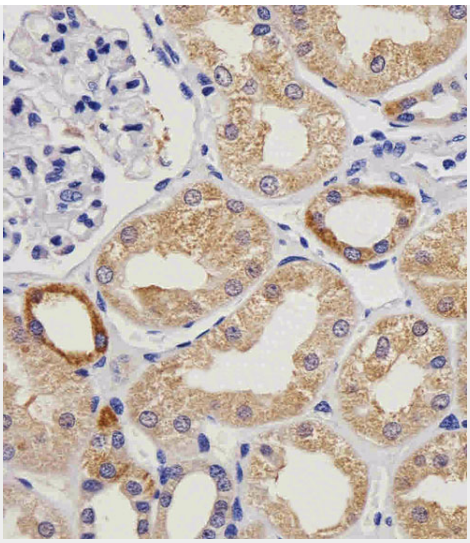
- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

VWF Antibody - Images

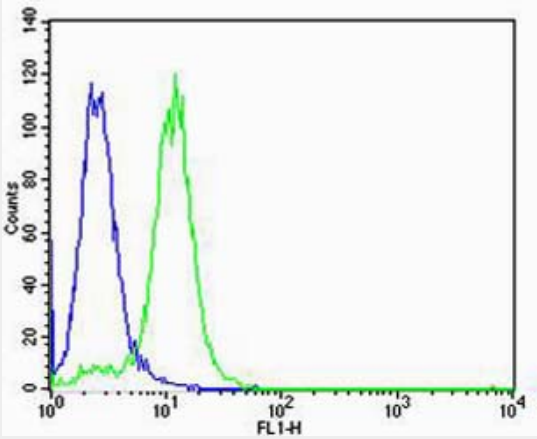


Anti-VWF at dilution + VWF whole cell lysate Lysates/proteins at 20 µg per lane. Secondary Goat Anti-mouse IgG, (H+L), Peroxidase conjugated at 1/10000 dilution. Predicted band size : 309 kDa Blocking/Dilution buffer: 5% NFDM/TBST.

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Immunohistochemical analysis of paraffin-embedded H. kidney section using VWF(Cat#AM8430b). AM8430b was diluted at 1:25 dilution. A peroxidase-conjugated goat anti-mouse IgG at 1:400 dilution was used as the secondary antibody, followed by DAB staining.



Flow cytometric analysis of K562 cells using VWF(green, Cat#AM8430b) compared to an isotype control of mouse IgG1(blue). AP20600c was diluted at 1:100 dilution. An Alexa Fluor® 488 goat anti-mouse IgG at 1:400 dilution was used as the secondary antibody.

VWF Antibody - Background

Important in the maintenance of hemostasis, it promotes adhesion of platelets to the sites of vascular injury by forming a molecular bridge between sub-endothelial collagen matrix and platelet-surface receptor complex GPIb-IX-V. Also acts as a chaperone for coagulation factor VIII, delivering it to the site of injury, stabilizing its heterodimeric structure and protecting it from premature clearance from plasma.

VWF Antibody - References

Bonthron D.,et al.Nucleic Acids Res. 14:7125-7128(1986).
Mancuso D.J.,et al.J. Biol. Chem. 264:19514-19527(1989).
Scherer S.E.,et al.Nature 440:346-351(2006).
Verweij C.L.,et al.EMBO J. 5:1839-1847(1986).
Verweij C.L.,et al.EMBO J. 5:3074-3074(1986).