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VWF Antibody

Purified Mouse Monoclonal Antibody (Mab)
Catalog # AM8430b

Product Information

Application	WB, IHC-P, FC, E
Primary Accession	P04275
Reactivity	Human
Host	Mouse
Clonality	Monoclonal
Isotype	IgG1
Clone Names	907CT12.1.9
Calculated MW	309265

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~~1:1000 IHC-P~~1:100~500 FC~~1:100 E~~Use at an assay dependent concentration.
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.

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.

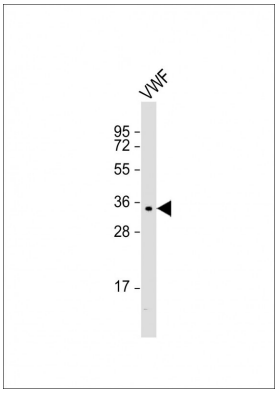
Background

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.

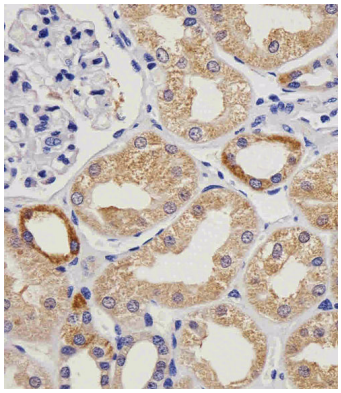
References

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).

Images

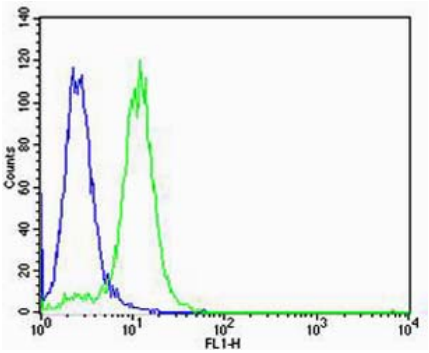


Anti-VWF at dilution + VWF whole cell lysate Lysates/proteins at 20 µg per lane. Secondary Goat Anti-mouse IgG, (H+L), Peroxidase conjugated at 1/10000 dilution. Predicted band size : 309 kDa Blocking/Dilution buffer: 5% NFDM/TBST.



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 lgG at 1:400 dilution



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