

Anti-VWF Picoband Antibody

Catalog # ABO11964

Product Information

Application	WB, IHC-P
Primary Accession	Q8CIZ8
Host	Rabbit
Reactivity	Mouse, Rat
Clonality	Polyclonal
Format	Lyophilized
Description	Rabbit IgG polyclonal antibody for von Willebrand factor(VWF) detection. Tested with WB, IHC-P in Mouse;Rat.
Reconstitution	Add 0.2ml of distilled water will yield a concentration of 500ug/ml.

Additional Information

Gene ID	22371
Other Names	von Willebrand factor, vWF, von Willebrand antigen 2, von Willebrand antigen II, Vwf {ECO:0000312 MGI:MGI:98941}
Calculated MW	309269
Application Details	Immunohistochemistry(Paraffin-embedded Section), 0.5-1 µg/ml, Mouse, Rat, By Heat Western blot, 0.1-0.5 µg/ml, Mouse, Rat
Subcellular Localization	Secreted . Secreted, extracellular space, extracellular matrix . Localized to storage granules. .
Tissue Specificity	Plasma. Expressed in liver. .
Source	Eukaryota
Protein Name	von Willebrand factor
Contents	Each vial contains 5mg BSA, 0.9mg NaCl, 0.2mg Na2HPO4, 0.05mg NaN3.
Immunogen	E.coli-derived mouse VWF recombinant protein (Position: M1304-E1452).
Purification	Immunogen affinity purified.
Cross Reactivity	No cross reactivity with other proteins
Storage	At -20 °C for one year. After reconstitution, at 4 °C for one month. It can also be aliquotted and stored frozen at -20 °C for a longer time.Avoid repeated

Sequence Similarities

freezing and thawing.
Contains 1 CTCK (C-terminal cystine knot-like) domain.

Protein Information

Name	Vwf {ECO:0000312 MGI:MGI:98941}
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. Expressed in liver.

Background

Von Willebrand factor (VWF) is a blood glycoprotein involved in hemostasis. It is mapped to 12p13.31. The VWF gene encodes von Willebrand factor (VWF), a large multimeric glycoprotein that plays a central role in the blood coagulation system, serving both as a major mediator of platelet-vessel wall interaction and platelet adhesion, and as a carrier for coagulation factor VIII. VWF released from endothelial cell Weibel-Palade bodies bound particularly avidly to the extracellular matrix. VWF deficiency or dysfunction (von Willebrand disease) leads to a bleeding tendency, which is most apparent in tissues having high blood flow shear in narrow vessels.

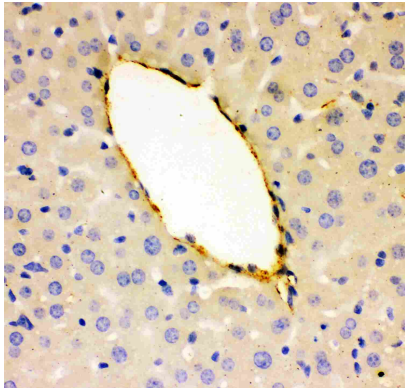
Images



Anti- VWF Picoband antibody, ABO11964, Western blottingAll lanes: Anti VWF (ABO11964) at 0.5ug/mlWB: Recombinant Mouse VWF Protein 0.5ngPredicted bind size: 37KDObserved bind size: 37KD



Anti- VWF Picoband antibody, ABO11964, Western blottingAll lanes: Anti VWF (ABO11964) at 0.5ug/mlWB: Mouse Lung Tissue Lysate at 50ugPredicted bind size: 309KDObserved bind size: 309KD



Anti- VWF Picoband antibody, ABO11964, IHC(P)IHC(P):
Mouse Liver Tissue

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.