10320 Camino Santa Fe, Suite A
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

Anti-VWF Picoband Antibody

Catalog # ABO11964

Specification

Anti-VWF Picoband Antibody - 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.

Anti-VWF Picoband Antibody - 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 MW KDa

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. .

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 r˚Constitution, at 4˚C for one month. It˚Can also be aliquotted and stored frozen at -20˚C for a longer time.Avoid repeated freezing and thawing.

Sequence Similarities
Contains 1 CTCK (C-terminal cystine knot-like) domain.

Anti-VWF Picoband Antibody - 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.

Anti-VWF Picoband 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

Anti-VWF Picoband Antibody - Images

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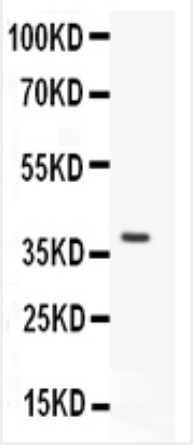
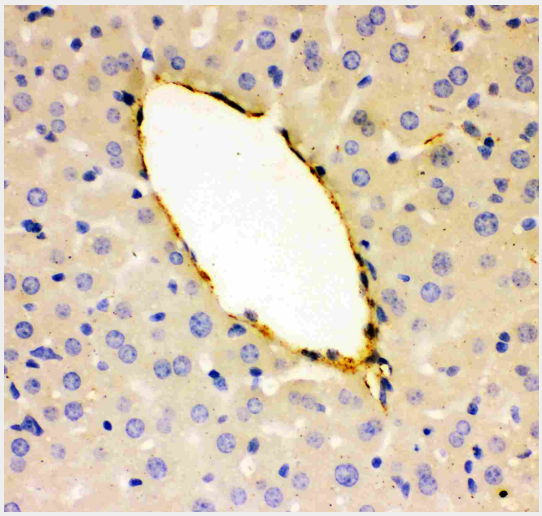


Anti- VWF Picoband antibody, ABO11964, Western blottingAll lanes: Anti VWF (ABO11964) at 0.5ug/mlWB: Recombinant Mouse VWF Protein 0.5ngPredicted bind size: 37KDObserved bind size: 37KD

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

Anti-VWF Picoband Antibody - Background

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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.