VWF (ANT0016R) Rabbit mAb

CatalogNo: ANT8187 Recombinant

Formulation: PBS,50%glycerol,0.05%Proclin 300,0.05%BSA
Quantity : 100 ug/vial

Host Species
- Rabbit

MW
- 309kD (Calculated)
280kD (Observed)

Reactivity
- Human,Mouse,Rat,

Isotype
- IgG,Kappa

Applications
- WB,IHC,IF,IP,ELISA

Recommended Dilution Ratios

IHC 1:1000-1:4000
WB 1:2000-1:10000
IF 1:200-1:1000
ELISA 1:5000-1:20000
IP 1:50-1:200

Storage

Storage*	-15°C to -25°C/1 year(Do not lower than -25°C)

Basic Information

Clonality	Monoclonal
Clone Number	ANT0016R

Target Information

Immunogen Information Specificity

Endogenous

Gene name VWF F8VWF

Protein Name von Willebrand factor (vWF) [Cleaved into: von Willebrand antigen 2 (von Willebrand antigen II)]

Organism	Gene ID	UniProt ID
Human	7450;	P04275;
Mouse		Q8CIZ8;
Rat		Q62935;

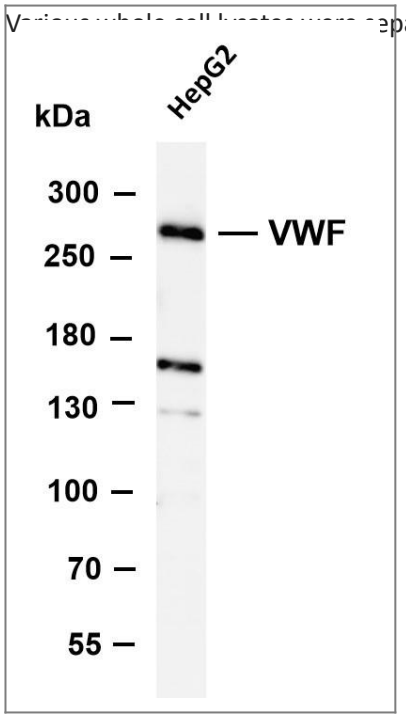
Cellular Localization Secreted

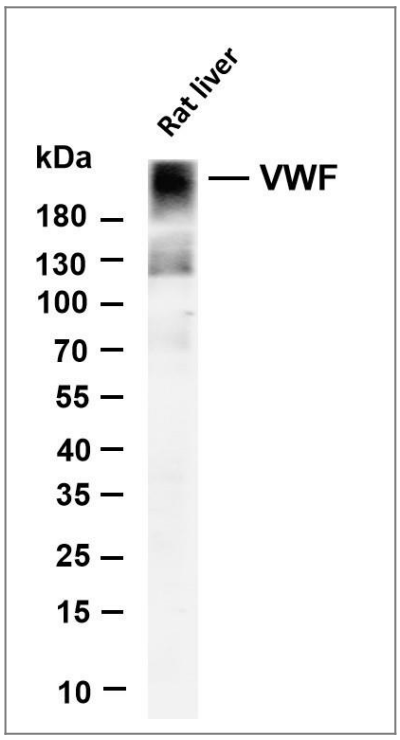
Tissue specificity Plasma.

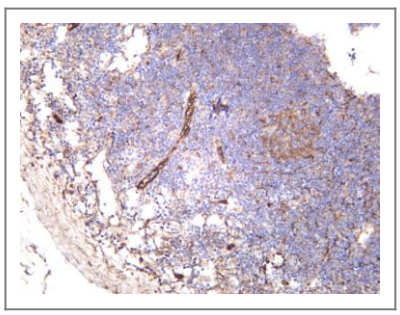
Function Disease:Defects in VWF are associated with various forms of von Willebrand disease (VWD) [MIM:193400, 277480]. VWD is characterized by frequent bleeding (gingival, minor skin quantitative lacerations, menorrhagia, etc.). Type I VWD is associated with a deficiency of VWF; type II by normal to decreased plasma level of VWF; type III by a virtual absence of VWF. There are subtypes (A to H) of type II VWD; for example: type IIA is characterized by the absence of VWF high molecular weight multimers in plasma.,Domain:The von Willebrand antigen 2 is required for multimerization of vWF and for its targeting to storage granules.,Function:Important in the maintenance of hemostasis, it promotes adhesion of platelets to the sites of vascular injury by forming a molecular bridge between subendothelial 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.,online information:von Willebrand factor (vWF) mutation db,online information:Von Willebrand factor entry,ANTM:All cysteine residues are involved in intrachain or interchain disulfide bonds.,similarity:Contains 1 CTCK (C-terminal cystine knot-like) domain.,similarity:Contains 3 VWFA domains.,similarity:Contains 3 VWFC domains.,similarity:Contains 4 TIL (trypsin inhibitory-like) domains.,similarity:Contains 4 VWFD domains.,subcellular location:Localized to storage granules.,subunit:Multimeric. Interacts with F8.,tissue specificity:Plasma.,

Validation Data

Various whole cell lysates were separated by 4-8% SDS-PAGE, and the membrane was blotted with anti- VWF (ANT0016R)



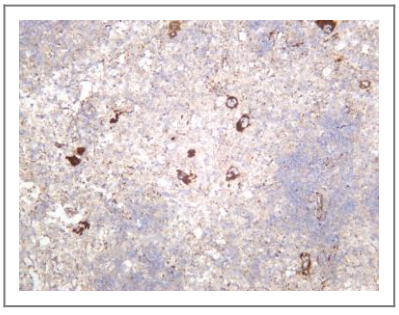




antibody. The HRPconjugated Goat anti-Rabbit IgG(H + L) antibody was used to detect the antibody. Lane 1: HepG2 Predicted band size: 309kDa Observed band size:
280kDa

Various whole cell lysates were separated by 4-20% SDS-PAGE, and the membrane was blotted with anti-VWF (ANT0016R) antibody. The HRPconjugated Goat anti-Rabbit IgG(H + L) antibody was used to detect the antibody. Lane 1: Rat liver Predicted band size: 309kDa Observed band size:
280kDa

Human tonsil was stained with anti-VWF (ANT0016R) rabbit antibody



Rat spleen was stained with anti-VWF (ANT0016R) rabbit antibody