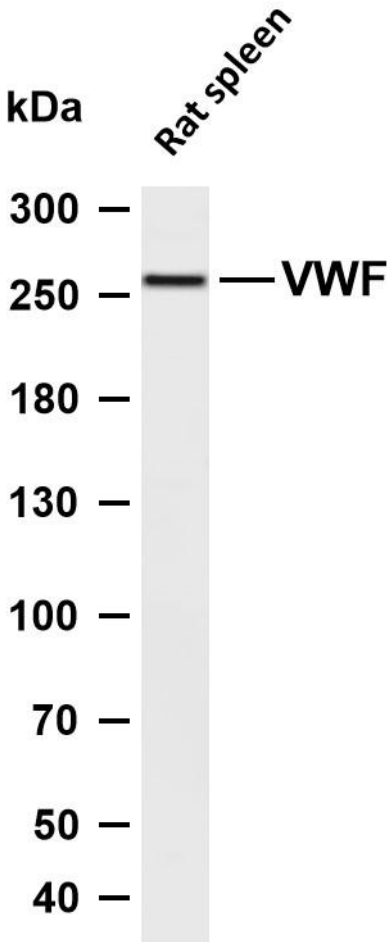
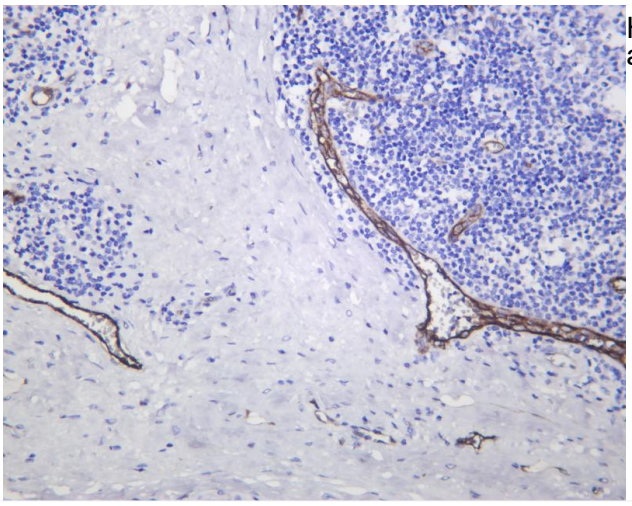
VWF Rabbit mAb

Catalog No	YP-rAb-16994
Isotype	IgG
Reactivity	Human,Mouse,Rat
Applications	WB,IHC,IF,IP,ELISA
Gene Name	VWF F8VWF
Protein Name	von Willebrand factor (vWF) [Cleaved into: von Willebrand antigen 2 (von Willebrand antigen II)]
Purification Process	Protein A
Specificity	Endogenous
Formulation	PBS, 50% glycerol, 0.05% Proclin 300, 0.05%BSA
Source	Monoclonal, Rabbit,IgG
Dilution	IHC 1:200-1:1000; WB 1:2000-1:10000; IF 1:200-1:1000; ELISA 1:5000-1:20000; IP 1:50-1:200; Note: For IHC, we suggest antigen retrieval with TE buffer pH 9.0
Concentration	0.5 mg/ml
Purity	≥90%
Storage Stability	-15° C to -25° C/1 year(Do not lower than -25° C)
Synonyms	
Observed Band	260kD
Calculated Molecular Weight	309kD
Cell Pathway	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 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.,online information:von Willebrand factor (vWF) mutation db,online information:Von Willebrand factor entry,PTM: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.,
Background	This gene encodes a glycoprotein involved in hemostasis. The encoded preproprotein is proteolytically processed following assembly into large multimeric complexes. These complexes function in the adhesion of platelets to sites of vascular injury and the transport of various proteins in the blood. Mutations in this gene result in von Willebrand disease, an inherited bleeding disorder. An unprocessed pseudogene has been found on chromosome 22. [provided by RefSeq, Oct 2015],
matters needing attention	Avoid repeated freezing and thawing!
Usage suggestions	This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.



Various whole cell lysates were separated by 4-8% SDS-PAGE, and the membrane was blotted with anti-VWF antibody. The HRP-conjugated Goat anti-Rabbit IgG (H + L) antibody was used to detect the antibody. Lane 1: Rat spleen Predicted band size: 309kDa Observed band size: 260kDa



Human tonsil was stained with anti-VWF Rabbit antibody