

### Anti-Von Willebrand Factor antibody ab6994

★★★★★ [60 Abreviews](#) [457 References](#) [2 Images](#)

#### Overview

<b>Product name</b>	Anti-Von Willebrand Factor antibody
<b>Description</b>	Rabbit polyclonal to Von Willebrand Factor
<b>Host species</b>	Rabbit
<b>Tested applications</b>	<b>Suitable for:</b> WB, ICC/IF, IHC-Fr, Flow Cyt, IHC-P, IHC-FoFr, IHC-FrFI
<b>Species reactivity</b>	<b>Reacts with:</b> Rat, Sheep, Horse, Guinea pig, Cow, Dog, Human, Pig <b>Does not react with:</b> Chicken
<b>Immunogen</b>	Full length native protein (purified) corresponding to Human Von Willebrand Factor. Purified from plasma.
<b>Positive control</b>	IHC-P: Human kidney tissue.
<b>General notes</b>	<p>The Life Science industry has been in the grips of a reproducibility crisis for a number of years. Abcam is leading the way in addressing this with our range of recombinant monoclonal antibodies and knockout edited cell lines for gold-standard validation. Please check that this product meets your needs before purchasing.</p> <p>If you have any questions, special requirements or concerns, please send us an inquiry and/or contact our Support team ahead of purchase. Recommended alternatives for this product can be found below, along with publications, customer reviews and Q&amp;As</p>

#### Properties

<b>Form</b>	Liquid
<b>Storage instructions</b>	Shipped at 4°C. Store at +4°C short term (1-2 weeks). Upon delivery aliquot. Store at -20°C or -80°C. Avoid freeze / thaw cycle.
<b>Storage buffer</b>	pH: 7.40 Preservative: 0.097% Sodium azide Constituent: PBS
<b>Purity</b>	IgG fraction
<b>Purification notes</b>	Whole antiserum is fractionated and then further purified by ion exchange chromatography to provide the IgG fraction of antiserum. This fraction is essentially free of other rabbit serum proteins.
<b>Clonality</b>	Polyclonal
<b>Isotype</b>	IgG

## Applications

### The Abpromise guarantee

Our **Abpromise guarantee** covers the use of ab6994 in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
WB	★★★★★ (10)	Use at an assay dependent concentration.
ICC/IF	★★★★★ (8)	Use at an assay dependent concentration.
IHC-Fr	★★★★★ (14)	Use at an assay dependent concentration.
Flow Cyt	★★★★★ (1)	Use at an assay dependent concentration. <b>ab171870</b> - Rabbit polyclonal IgG, is suitable for use as an isotype control with this antibody.
IHC-P	★★★★★ (22)	1/200 - 1/400. for IF and 1/1000-1/2000 for ABC methods with HRP conjugates. Perform enzymatic antigen retrieval with 0.1% pronase for 10 min at 35 °C before commencing with IHC protocol. Indirect Immunofluorescence: minimum working dilution of 1:200 was determined using FFPE sections of human tongue with FITC-conjugated secondary. Indirect Immunoperoxidase Labeling: minimum working dilution of 1:800 was determined
IHC-FoFr	★★★★★ (3)	Use at an assay dependent concentration. PubMed: 19622235
IHC-FrFI	★★★★★ (2)	Use at an assay dependent concentration. (see Abreview)

## Target

### 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.

### Tissue specificity

Plasma.

### Involvement in disease

Defects in VWF are the cause of von Willebrand disease (VWD) [MIM:277480]. VWD defines a group of hemorrhagic disorders in which the von Willebrand factor is either quantitatively or qualitatively abnormal resulting in altered platelet function. Symptoms vary depending on severity and disease type but may include prolonged bleeding time, deficiency of factor VIII and impaired platelet adhesion. Type I von Willebrand disease is the most common form and is characterized by partial quantitative plasmatic deficiency of an otherwise structurally and functionally normal Willebrand factor; type II is associated with a qualitative deficiency and functional anomalies of the Willebrand factor; type III is the most severe form and is characterized by total or near-total absence of Willebrand factor in the plasma and cellular compartments, also leading to a profound deficiency of plasmatic factor VIII.

### Sequence similarities

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

Contains 4 TIL (trypsin inhibitory-like) domains.  
Contains 3 VWFA domains.  
Contains 3 VWFC domains.  
Contains 4 VWFD domains.

#### Domain

The von Willebrand antigen 2 is required for multimerization of vWF and for its targeting to storage granules.

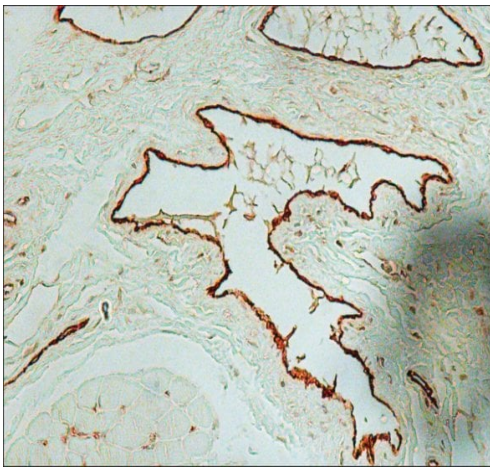
#### Post-translational modifications

All cysteine residues are involved in intrachain or interchain disulfide bonds.  
N- and O-glycosylated.

#### Cellular localization

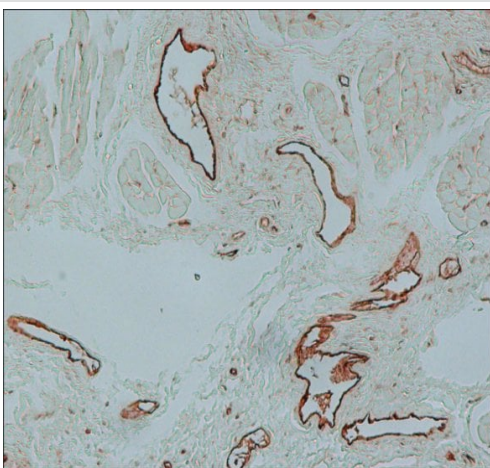
Secreted. Secreted > extracellular space > extracellular matrix. Localized to storage granules.

### Images



Immunohistochemical analysis of Formalin fixed paraffin-embedded sections human kidney tissue labeling Von Willebrand Factor with ab6994 at 1/2000.

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-Von Willebrand Factor antibody (ab6994)



Immunohistochemical analysis of Formalin fixed paraffin-embedded sections human kidney tissue labeling Von Willebrand Factor with ab6994 at 1/2000.

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-Von Willebrand Factor antibody (ab6994)

**Please note:** All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

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