



# Anti-Von Willebrand Factor antibody [3E2D10] ab194405

**10 References**   **2 图像**

### 概述

产品名称	Anti-Von Willebrand Factor抗体[3E2D10]
描述	小鼠单克隆抗体[3E2D10] to Von Willebrand Factor
宿主	Mouse
经测试应用	适用于: IHC-P
种属反应性	与反应: Human
免疫原	Recombinant fragment corresponding to Human Von Willebrand Factor aa 800-950. Database link: <a href="#">P04275</a>
	 <a href="#">Run BLAST with</a>  <a href="#">Run BLAST with</a>
阳性对照	IHC-P: Human pancreas and tonsil tissues.
常规说明	<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>

### 性能

形式	Liquid
存放说明	Shipped at 4°C. Store at +4°C short term (1-2 weeks). Upon delivery aliquot. Store at -20°C long term. Avoid freeze / thaw cycle.
存储溶液	pH: 7.2 Preservative: 0.05% Sodium azide Constituents: 99% PBS, 0.05% BSA
纯度	Protein G purified
纯化说明	Purified from Bioreactor Concentrate
克隆	单克隆
克隆编号	3E2D10
同种型	IgG1

kappa

## The Abpromise guarantee

“应用说明”部分下显示的仅为推荐的起始稀释度；实际最佳的稀释度/浓度应由使用者检定。

应用	Ab评论	说明
IHC-P		Use a concentration of 1 - 2 µg/ml. Perform heat mediated antigen retrieval with Tris/EDTA buffer pH 9.0 before commencing with IHC staining protocol. use 10mM Tris with 1mM EDTA, pH 9.0 for antigen retrieval.

## 功能

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.

### 组织特异性

Plasma.

### 疾病相关

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.

## 序列相似性

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.

## 结构域

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

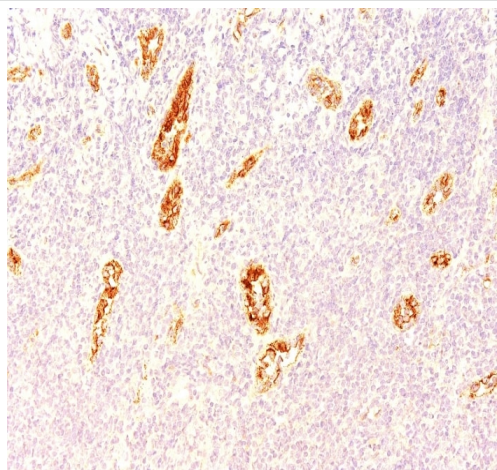
### 翻译后修饰

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

## 细胞定位

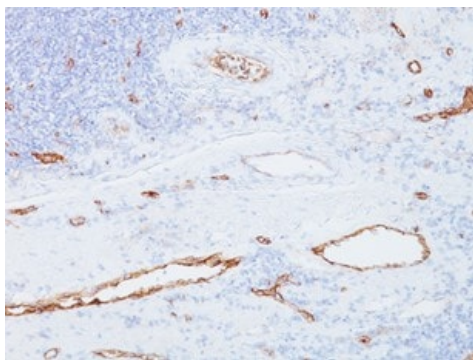
Secreted. Secreted > extracellular space > extracellular matrix. Localized to storage granules.

## 2



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-Von Willebrand Factor antibody [3E2D10] (ab194405)

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) analysis of human pancreas tissue labelling Von Willebrand Factor with ab194405 at 2 µg/mL for 30 minutes at room temperature. Staining of formalin-fixed tissues requires heating tissue sections in 10mM Tris with 1mM EDTA, pH 9.0, for 45 min at 95°C followed by cooling at room temperature for 20 minutes.



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-Von Willebrand Factor antibody [3E2D10] (ab194405)

Immunohistochemical analysis of paraffin-embedded Human tonsil tissue labeling Von Willebrand Factor with ab194405 at 1.0 µg/mL.

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