

Anti-Von Willebrand Factor antibody [EPSISR15] ab154193

重组 RabMAb

10 References [7 图像](#)

概述

产品名称	Anti-Von Willebrand Factor抗体[EPSISR15]
描述	兔单克隆抗体[EPSISR15] to Von Willebrand Factor
宿主	Rabbit
经测试应用	适用于: Flow Cyt (Intra), WB, ICC/IF
种属反应性	与反应: Human
免疫原	Synthetic peptide. This information is proprietary to Abcam and/or its suppliers.
阳性对照	Human serum, Human plasma, HepG2 cells
常规说明	<p>This product is a recombinant monoclonal antibody, which offers several advantages including:</p> <ul style="list-style-type: none"> - High batch-to-batch consistency and reproducibility - Improved sensitivity and specificity - Long-term security of supply - Animal-free production <p>For more information see here.</p> <p>Our RabMAb[®] technology is a patented hybridoma-based technology for making rabbit monoclonal antibodies. For details on our patents, please refer to RabMAb[®] patents.</p> <p>Mouse, Rat: We have preliminary internal testing data to indicate this antibody may not react with these species. Please contact us for more information.</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	<p>Preservative: 0.01% Sodium azide</p> <p>Constituents: 40% Glycerol (glycerin, glycerine), 0.05% BSA, 59% PBS</p>
纯度	Protein A purified
克隆	单克隆
克隆编号	EPSISR15
同种型	IgG

应用

The Abpromise guarantee **Abpromise™**承诺保证使用ab154193于以下的经测试应用

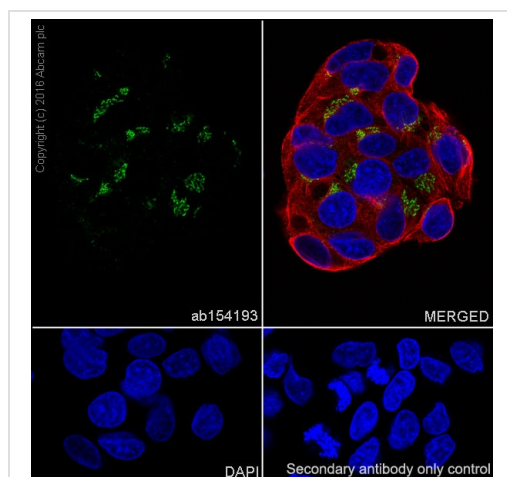
“应用说明”部分 下显示的仅为推荐的起始稀释度;实际最佳的稀释度/浓度应由使用者检定。

应用	Ab评论	说明
Flow Cyt (Intra)		1/200.
WB		1/1000 - 1/10000. Predicted molecular weight: 309 kDa.
ICC/IF		1/250 - 1/500.

靶标

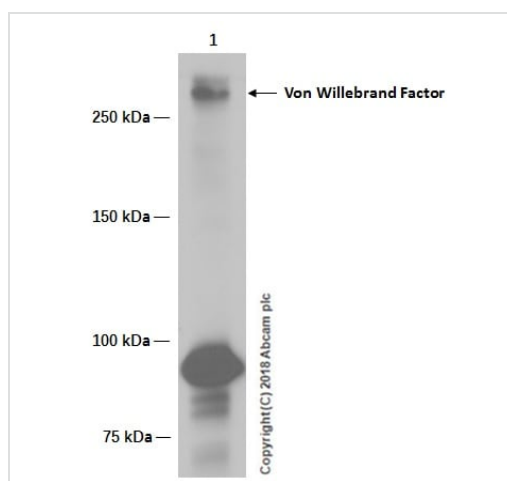
功能	Important in the maintenance of hemostasis, it promotes adhesion of platelets to the sites of vascular injury by forming a molecular bridge between sub-endothelial collagen matrix and platelet-surface receptor complex GPIb-IX-V. Also acts as a chaperone for coagulation factor VIII, delivering it to 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.

图片



Immunocytochemistry/ Immunofluorescence - Anti-Von Willebrand Factor antibody [EPSISR15] (ab154193)

Immunocytochemistry/ Immunofluorescence analysis of HepG2 (Human hepatocellular carcinoma epithelial cell) cells labeling Von Willebrand Factor with Purified ab154193 at 1:250 dilution. Cells were fixed in 4% Paraformaldehyde and permeabilized with 0.1% tritonX-100. Cells were counterstained with Ab195889 Anti-alpha Tubulin antibody [DM1A] - Microtubule Marker (Alexa Fluor® 594) 1:200 (2.5 µg/ml). **ab150077** Goat anti rabbit IgG(Alexa Fluor® 488) was used as the secondary antibody at 1:1000 dilution. DAPI nuclear counterstain. PBS instead of the primary antibody was used as the secondary antibody only control.



Western blot - Anti-Von Willebrand Factor antibody [EPSISR15] (ab154193)

Anti-Von Willebrand Factor antibody [EPSISR15] (ab154193) at 4 µg/ml + HepG2 (Human hepatocellular carcinoma epithelial cell) whole cell lysate at 20 µg

Secondary

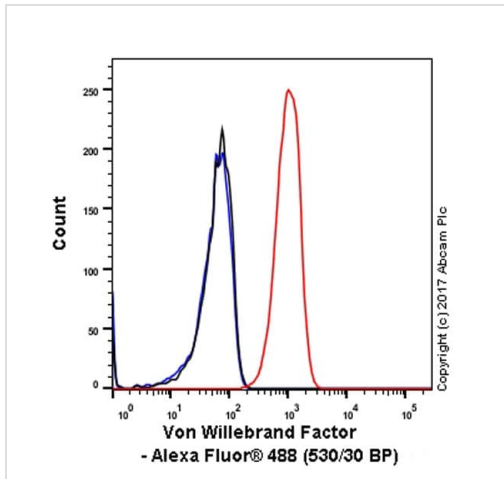
Goat Anti-Rabbit IgG (HRP), specific to the non-reduced form of IgG at 1/20000 dilution

Predicted band size: 309 kDa

Exposure time: 30 seconds

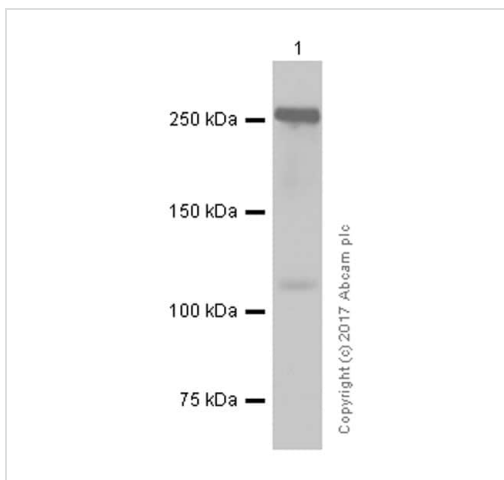
Blocking and diluting buffer: 5% NFDM/TBST

The expression profile observed is consistent with the literature (PMID:24769235) in which ab154193 was validated by knockdown assay in HepG2 cell line.



Flow Cytometry (Intracellular) - Anti-Von Willebrand Factor antibody [EPSISR15] (ab154193)

Intracellular Flow Cytometry analysis of HepG2 (Human hepatocellular carcinoma epithelial cell) cells labeling Von Willebrand Factor (red) with purified ab154193 at a 1/130 dilution (10ug/mL). Cells were fixed with 4% paraformaldehyde and permeabilized with 90% methanol. A goat anti rabbit IgG (Alexa Fluor® 488) ([ab150077](#)) was used as the secondary antibody at a 1/2000 dilution. Black - Rabbit monoclonal IgG (Black) ([ab172730](#)). Blue (unlabeled control) - Cell without incubation with primary antibody and secondary antibody (Blue).



Western blot - Anti-Von Willebrand Factor antibody [EPSISR15] (ab154193)

Anti-Von Willebrand Factor antibody [EPSISR15] (ab154193) at 1/1000 dilution (purified) + Human plasma lysates at 15 µg

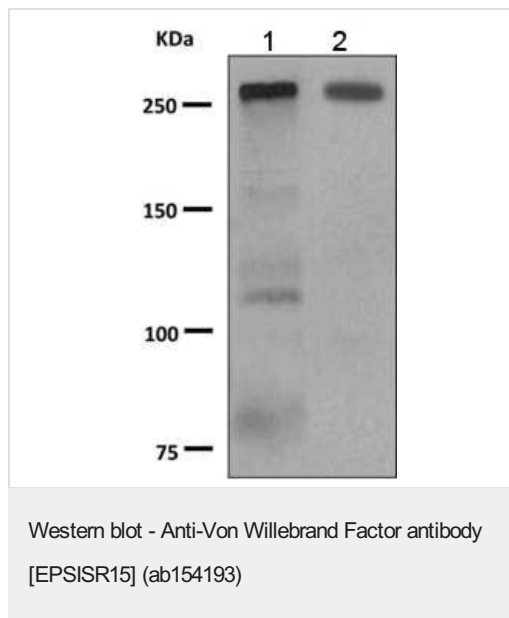
Secondary

Goat Anti-Rabbit IgG (HRP) with minimal cross-reactivity with human IgG at 1/2000 dilution

Predicted band size: 309 kDa

Observed band size: 309 kDa

Blocking and diluting buffer: 5% NFDM/TBST.



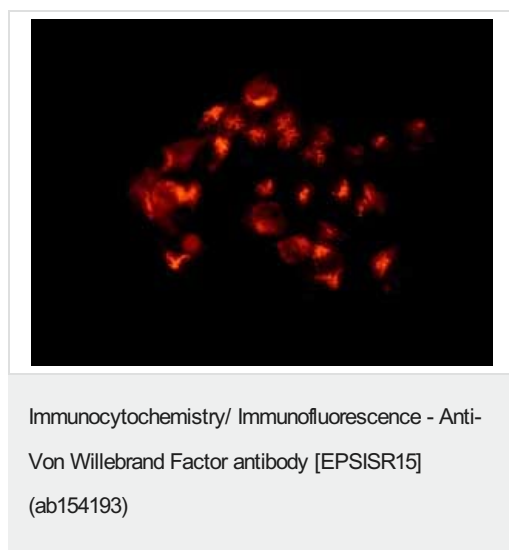
All lanes : Anti-Von Willebrand Factor antibody [EPSISR15] (ab154193) at 1/1000 dilution (unpurified)

Lane 1 : Human serum

Lane 2 : Human plasma

Lysates/proteins at 10 µg per lane.

Predicted band size: 309 kDa



Immunofluorescent staining of HepG2 cells labeling Von-Willebrand-Factor with unpurified ab154193 at 1/250 dilution.

Why choose a recombinant antibody?



Research with confidence
Consistent and reproducible results



Long-term and scalable supply
Recombinant technology



Success from the first experiment
Confirmed specificity



Ethical standards compliant
Animal-free production

Anti-Von Willebrand Factor antibody [EPSISR15]
(ab154193)

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

Our Abpromise to you: Quality guaranteed and expert technical support

- Replacement or refund for products not performing as stated on the datasheet
- Valid for 12 months from date of delivery
- Response to your inquiry within 24 hours
- We provide support in Chinese, English, French, German, Japanese and Spanish
- Extensive multi-media technical resources to help you
- We investigate all quality concerns to ensure our products perform to the highest standards

If the product does not perform as described on this datasheet, we will offer a refund or replacement. For full details of the Abpromise, please visit <https://www.abcam.cn/abpromise> or contact our technical team.

Terms and conditions

- Guarantee only valid for products bought direct from Abcam or one of our authorized distributors