

von Willebrand factor Rabbit mAb

Catalog No.: A29446 **Recombinant**

Basic Information

Observed MW

309 kDa

Calculated MW

44 kDa/309 kDa

Category

Primary antibody

Applications

WB,IF/ICC,IHC-P,ELISA

Cross-Reactivity

Mouse, Rat

CloneNo number

ARC4003

Background

Predicted to enable several functions, including identical protein binding activity; integrin binding activity; and protein-folding chaperone binding activity. Predicted to be an extracellular matrix structural constituent. Acts upstream of or within several processes, including activation of blood coagulation via clotting cascade; liver development; and platelet activation. Located in Weibel-Palade body; external side of plasma membrane; and extracellular region. Is expressed in several structures, including cardiovascular system; extraembryonic component; genitourinary system; immune system; and pancreas vasculature. Used to study von Willebrand's disease and von Willebrand's disease 2. Human ortholog(s) of this gene implicated in several diseases, including Behcet's disease; alcoholic hepatitis; end stage renal disease; essential thrombocythemia; and von Willebrand's disease (multiple). Orthologous to human VWF (von Willebrand factor).

Recommended Dilutions

WB 1:4000 - 1:20000**IF/ICC** 1:200 - 1:400**IHC-P** 1:200 - 1:800

ELISA Recommended starting concentration is 1 µg/mL. Please optimize the concentration based on your specific assay requirements. For high-ratio antibody dilutions ($\geq 1:10000$) a sequential dilution method is strongly recommended to ensure measurement accuracy.

Contact

 | 400-999-6126 | cn.market@abclonal.com.cn

Immunogen Information

Gene ID

22371

Swiss Prot

Q8CIZ8

Immunogen

This information is considered to be commercially sensitive.

Synonyms

VWD; F8VWF; C630030D09; 6820430P06Rik; B130011O06Rik

Product Information

Source

Rabbit

Isotype

IgG

Purification

Affinity purification

Storage

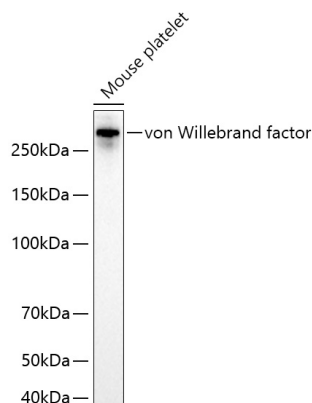
Store at -20°C. Avoid freeze / thaw cycles.

Buffer: PBS with 0.09% Sodium azide, 0.05% BSA, 50% glycerol, pH7.3.



www.abclonal.com.cn

Validation Data



Western blot analysis of lysates from Mouse platelet using von Willebrand factor Rabbit mAb (A29446) at 1:10000 dilution incubated overnight at 4°C.

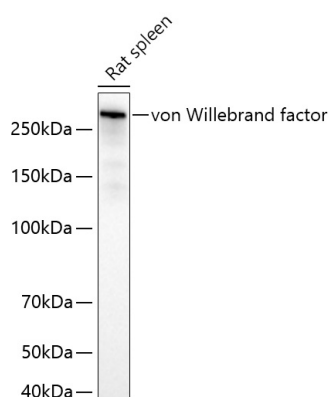
Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.

Lysates/proteins: 25 µg per lane.

Blocking buffer: 3% nonfat dry milk in TBST.

Detection: ECL Basic Kit (RM00020).

Exposure time: 5 s.



Western blot analysis of lysates from Rat spleen using von Willebrand factor Rabbit mAb (A29446) at 1:10000 dilution incubated overnight at 4°C.

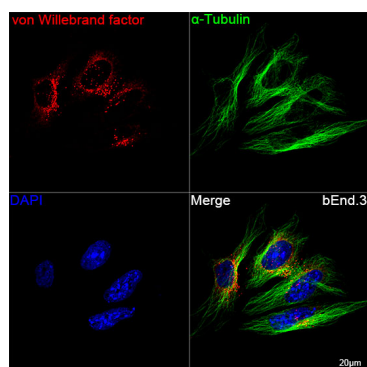
Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.

Lysates/proteins: 25 µg per lane.

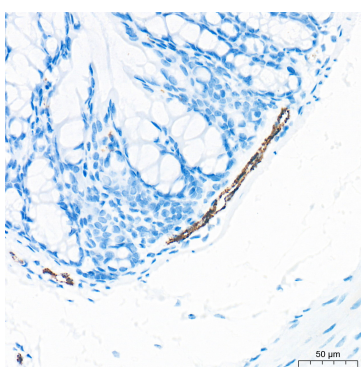
Blocking buffer: 3% nonfat dry milk in TBST.

Detection: ECL Basic Kit (RM00020).

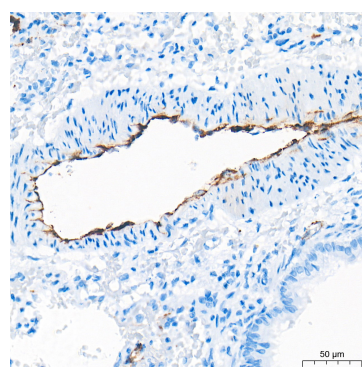
Exposure time: 90 s.



Confocal imaging of bEnd.3 cells using von Willebrand factor Rabbit mAb (A29446, dilution 1:300) followed by a further incubation with Cy3-conjugated Goat anti-Rabbit IgG (H+L) (AS007, dilution 1:500) (Red). The cells were counterstained with α-Tubulin Mouse mAb (AC012, dilution 1:400) followed by incubation with ABflo® 488-conjugated Goat Anti-Mouse IgG (H+L) (AS037, dilution 1:800) (Green). DAPI was used for nuclear staining (Blue). Objective: 100x.



Immunohistochemistry analysis of paraffin-embedded Mouse colon tissue using von Willebrand factor Rabbit mAb (A29446) at a dilution of 1:200 (40x lens). High pressure antigen retrieval performed with 0.01M Tris-EDTA Buffer (pH 9.0) prior to IHC staining.



Immunohistochemistry analysis of paraffin-embedded Rat lung tissue using von Willebrand factor Rabbit mAb (A29446) at a dilution of 1:200 (40x lens). High pressure antigen retrieval performed with 0.01M Tris-EDTA Buffer (pH 9.0) prior to IHC staining.