abcam

ab6994

Anti-Von Willebrand Factor antibody

Anti-Von Willebrand Factor antibody (ab6994) is a rabbit polyclonal antibody detecting Von Willebrand Factor in **Western Blot, Flow Cytometry, IHC-P, IHC-Fr, ICC/IF**. Suitable for **Cow, Dog, Guinea pig, Horse, Human, Pig, Rat, Sheep**.

- Over 500 publications
- Trusted since 2001

Key facts

Isotype	IgG
Host species	Rabbit
Storage buffer	pH: 7.4 Preservative: 0.097% Sodium azide Constituents: PBS
Form	Liquid
Clonality	Polyclonal
Immunogen	Native Full Length Protein corresponding to Human VWF. Database link P04275
Purity	IgG fraction
Concentration	10.6 mg/mL The concentration of this product may be batch-dependent Batch concentration finder →
Purification notes	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.

Reactivity data

Flow Cyt

Expected

Species	Rat
Dilution info	-
Notes	ab171870 - Rabbit polyclonal IgG, is suitable for use as an isotype control with this antibody.

Species	Guinea pig
Dilution info	-
Notes	ab171870 - Rabbit polyclonal IgG, is suitable for use as an isotype control with this antibody.

Species	Pig
Dilution info	-
Notes	ab171870 - Rabbit polyclonal IgG, is suitable for use as an isotype control with this antibody.

Species	Human
Dilution info	-
Notes	ab171870 - Rabbit polyclonal IgG, is suitable for use as an isotype control with this antibody.

Species	Dog
Dilution info	-
Notes	ab171870 - Rabbit polyclonal IgG, is suitable for use as an isotype control with this antibody.

Species	Horse
Dilution info	-
Notes	ab171870 - Rabbit polyclonal IgG, is suitable for use as an isotype control with this antibody.

Species	Cow
Dilution info	-
Notes	ab171870 - Rabbit polyclonal IgG, is suitable for use as an isotype control with this antibody.

Species	Sheep
Dilution info	-

Notes	ab171870 - Rabbit polyclonal IgG, is suitable for use as an isotype control with this antibody.

Not recommended

Species	Chicken
Dilution info	-
Notes	ab171870 - Rabbit polyclonal IgG, is suitable for use as an isotype control with this antibody.

WB

Expected

Species	Rat, Guinea pig, Pig, Human, Dog, Horse, Cow, Sheep
Dilution info	Use at an assay dependent concentration.
Notes	-

Not recommended

Species	Chicken
Dilution info	-
Notes	-

IHC-FoFr

Expected

Species	Rat, Guinea pig, Pig, Human, Dog, Horse, Cow, Sheep
Dilution info	Use at an assay dependent concentration.
Notes	-

Not recommended

Species	Chicken
Dilution info	-
Notes	-

IHC-P

Tested

Species	Human
Dilution info	1/200 - 1/400
Notes	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 using FFPE sections of human tongue with biotinylated secondary and signal amplification.

Not recommended

Species	Chicken
Dilution info	-
Notes	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 using FFPE sections of human tongue with biotinylated secondary and signal amplification.

Species	Sheep
Dilution info	-
Notes	-

Species	Rat
Dilution info	-
Notes	-

Species	Pig
Dilution info	-
Notes	-

Species	Horse
Dilution info	-

Notes	-

Species	Dog
Dilution info	-
Notes	-

Species	Guinea pig
Dilution info	-
Notes	-

Species	Cow
Dilution info	-
Notes	-

ICC/IF

Expected

Species	Rat, Guinea pig, Pig, Human, Dog, Horse, Cow, Sheep
Dilution info	Use at an assay dependent concentration.
Notes	-

Not recommended

Species	Chicken
Dilution info	-
Notes	-

IHC-Fr

Expected

Species	Rat, Guinea pig, Pig, Human, Dog, Horse, Cow, Sheep
Dilution info	Use at an assay dependent concentration.
Notes	-

Not recommended

Species	Chicken
Dilution info	-
Notes	-

IHC-FrFl

Expected

Species	Rat
Dilution info	-
Notes	(see Abreview)

Species	Guinea pig
Dilution info	-
Notes	(see Abreview)

Species	Pig
Dilution info	-
Notes	(see Abreview)

Species	Human
Dilution info	-
Notes	(see Abreview)

Species	Dog
Dilution info	-
Notes	(see Abreview)

Species	Horse
Dilution info	-
Notes	(see Abreview)

Species	Cow
Dilution info	-
Notes	(see Abreview)

Species	Sheep
Dilution info	-
Notes	(see Abreview)

Not recommended

Species	Chicken
Dilution info	-
Notes	(see Abreview)

Target data

See full target information VWF

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.

Storage

Shipped at conditions	Blue Ice
Appropriate short-term storage duration	1-2 weeks
Appropriate short-term storage conditions	+4°C
Appropriate long-term storage conditions	-20°C
Aliquoting information	Upon delivery aliquot
Storage information	Avoid freeze / thaw cycle

Notes

Product Specifications

Anti-Von Willebrand Factor antibody (ab6994) is a rabbit polyclonal antibody and is validated for use in Flow Cyt,

ICC/IF, IHC-FoFr, IHC-Fr, IHC-FrFl, IHC-P, WB in cow, dog, guineapig, horse, human, pig, rat, sheep samples.
Anti-Von Willebrand Factor antibody (ab6994) specifically detects Von Willebrand Factor (UniProt ID: P04275; Molecular weight: 81kDa) and is sold in 100 µL selling sizes.

Quality and Validation
Abcam's high quality validation processes ensure Anti-Von Willebrand Factor antibody (ab6994) has high sensitivity and specificity.
Anti-Von Willebrand Factor antibody (ab6994) has been cited over 502 times in peer reviewed journals and is trusted by the scientific community.
Anti-Von Willebrand Factor antibody (ab6994) has 61 independent reviews from customers.

Product promise

Tested

We have tested this species and application combination and it works. It is covered by our product promise.

Expected

We have not tested this specific species and application combination in-house, but expect it will work. It is covered by our product promise.

Predicted

This species and application combination has not been tested, but we predict it will work based on strong homology. However, this combination is not covered by our product promise.

Not recommended

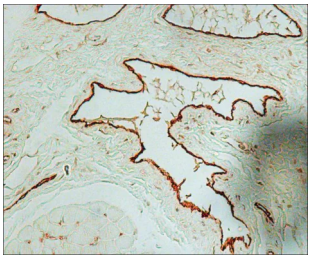
We do not recommend this combination. It is not covered by our product promise.

We are dedicated to supporting your work with high quality reagents and we are here for you every step of the way should you need us.

In the unlikely event of one of our products not working as expected, you are covered by our product promise.

Full details and terms and conditions can be found here:
Terms & Conditions.

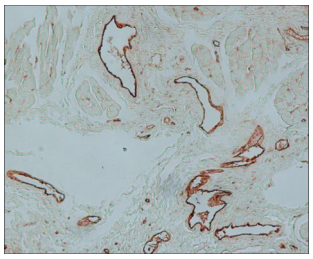
4 product images



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

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

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)

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

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

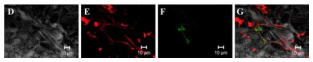


Image collected and cropped by CiteAb under a CC-BY license from the publication

Immunohistochemistry - Anti-Von Willebrand Factor antibody (ab6994)

Von Willebrand Factor Immunohistochemistry staining using rabbit Anti-Von Willebrand Factor antibody

Immunohistochemistry using Anti-Von Willebrand Factor antibody, ab6994. Publication image from Huang, S. M. et al., 2013, J Biomed Sci, 23876213. Legend direct from paper.

Engrafted CM-DiI-labeled ASCs were expressed within the endothelial cells. (A-C) Images obtained from 16 µm sections frozen 14 days after the injection of CM-DiI-labeled ASCs (red fluorescence) into tissue with radiation ulcers. Phase contrast (A), red fluorescence (B) and overlay images (C). Bar: 200 µm. (D-K) Confocal images were acquired from 8 µm sections frozen 14 days after the injection of CM-DiI-labeled ASCs and immunostained with vWF (D-G) or CD31 (H-K). Differential interference contrast image (D and H). Red staining indicates CM-DiI-labeled ASCs (E and I). Green staining indicates vWF (F) and CD31 (J). Overlay image (G and K).

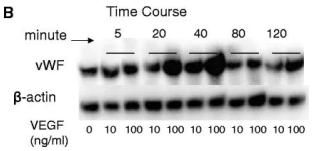


Image collected and cropped by CiteAb under a CC-BY license from the publication

Western blot - Anti-Von Willebrand Factor antibody (ab6994)

Von Willebrand Factor Western blot staining using rabbit Anti-Von Willebrand Factor antibody

Von Willebrand Factor western blotting using Anti-Von Willebrand Factor antibody ab6994. Publication image and figure legend from Yang, X., Sun, H. J., et al., 2015, BMC Cancer, PubMed: 25886574.

VEGF treatment induces vWF expression in and secretion from HUVEC cell lines in a dose- and time-dependent manner. HUVECs were exposed to 0, 10, 50 or 100 ng/mL of VEGF for 1 h and examined by western blot (A) and qRT-PCR (C). The concentration of 100 ng/mL induced the highest level of vWF protein and mRNA expression. HUVECs were exposed to the various doses of VEGF for the indicated times and examined by western blot (B) and qRT-PCR (D). The exposure time of 40 minutes stimulated the highest level of vWF protein expression but 80 minutes stimulated the highest level of vWF mRNA expression. *p < 0.05 and **p < 0.01 by Student's t-test.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.