

Product Datasheet

Factor VIII Antibody - BSA Free

NB100-91761

Unit Size: 0.1 mg

Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.

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Updated 10/23/2024 v.20.1

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NB100-91761

Factor VIII Antibody - BSA Free

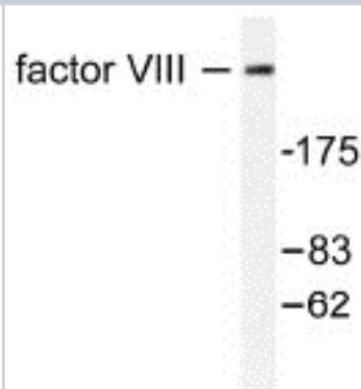
Product Information	
Unit Size	0.1 mg
Concentration	1.0 mg/ml
Storage	Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.
Clonality	Polyclonal
Preservative	0.05% Sodium Azide
Isotype	IgG
Purity	Immunogen affinity purified
Buffer	PBS
Target Molecular Weight	267 kDa

Product Description	
Host	Rabbit
Gene ID	2157
Gene Symbol	F8
Species	Human, Mouse, Rat
Immunogen	A synthetic peptide made to a C-terminal portion of human Factor VIII (between amino acids 2100-2250) [UniProt P00451]

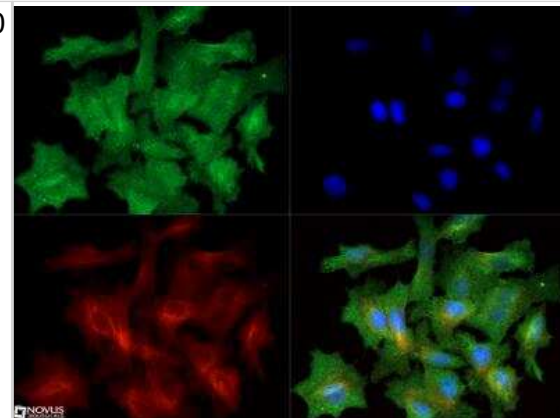
Product Application Details	
Applications	Western Blot, ELISA, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry, Immunohistochemistry-Paraffin
Recommended Dilutions	Western Blot 2 ug/mL, ELISA reported in scientific literature, Immunohistochemistry 1:50 - 1:100, Immunocytochemistry/ Immunofluorescence 1:50 - 1:100, Immunohistochemistry-Paraffin 1:50 - 1:200

Images

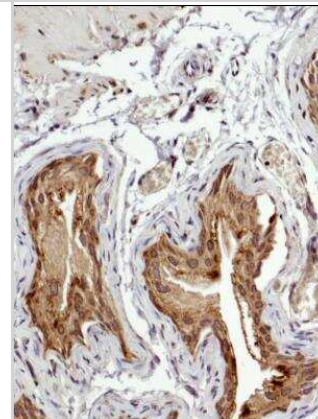
Western Blot: Factor VIII Antibody [NB100-91761] - Detection of Factor VIII protein in extracts from human umbilical vein endothelial cells (HUVECs).



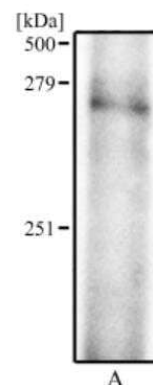
Immunocytochemistry/Immunofluorescence: Factor VIII Antibody [NB100-91761] - Factor VIII antibody was tested 1:50 in HeLa cells with Dylight 488 (green). Nuclei and alpha-tubulin were counterstained with DAPI (blue) and Dylight 550 (red). Image objective 40X.



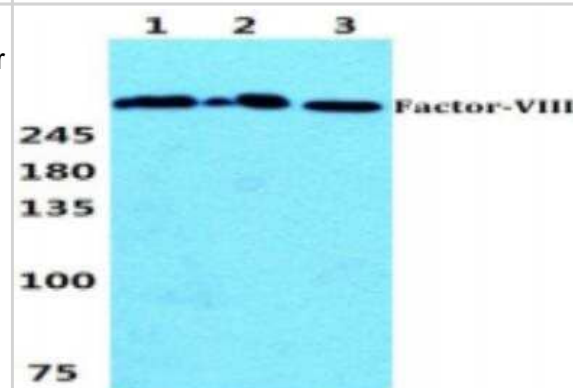
Immunohistochemistry-Paraffin: Factor VIII Antibody [NB100-91761] - Staining of Factor VIII in a formalin fixed and paraffin embedded tissue section of mouse bladder. The primary antibody was used at 1:100 dilution and the detection was performed using DAB with hematoxylin counterstaining.



Western Blot: Factor VIII Antibody [NB100-91761] - Analysis of human placenta tissue lysate using Factor VIII antibody at 1:500.



Western Blot: Factor VIII Antibody [NB100-91761] - Analysis of HepG2 whole cell lysate (lane 1), Mouse liver tissue lysate (lane 2), and Rat liver tissue lysate (lane 3) using Factor VIII antibody at 1:500 with ECL based detection.



Publications

Qianhui Song, Han Li, Hao Yan, Zanzhe Yu, Zhenyuan Li, Jiangzi Yuan, Na Jiang, Zhaohui Ni, Leyi Gu, Wei Fang
Inhibition of STAT3 by S3I □201 suppress peritoneal fibroblast phenotype conversion and alleviate peritoneal fibrosis
Journal of Cellular and Molecular Medicine 2024-05-23 [PMID: 38780509]

Hirakawa T, Nasu K, Miyabe S, et al. beta-catenin signaling inhibitors ICG-001 and C-82 improve fibrosis in
preclinical models of endometriosis Sci Rep 2019-12-27 [PMID: 31882904] (ICC/IF, Human)

Li X, Wen MZ, Su LX et al. Local suture ligation-assisted percutaneous sclerotherapy for Kasabach-Merritt
phenomenon-associated kaposiform haemangioendothelioma. Oncol Lett 2019-01-01 [PMID: 30655857] (IHC-P,
Human)

Zhu F, Liu Z, Wang X et al. Inter-chain disulfide bond improved protein trans-splicing increases plasma coagulation
activity in C57BL/6 mice following portal vein FVIII gene delivery by dual vectors Sci China Life Sci 2013-03-01
[PMID: 23526393] (ELISA, Human)

Zhu F, Liu Z, Miao J, Qu H, Chi X. Enhanced plasma factor VIII activity in mice via cysteine mutation using dual
vectors Sci China Life Sci 2012-06-01 [PMID: 22744182] (ELISA, Mouse, Human)



Procedures

Western Blot protocol for Factor VIII Antibody (NB100-91761)

Factor VIII Antibody:

Western Blot Protocol

1. Perform SDS-PAGE on samples to be analyzed, loading 25 ug of total protein per lane.
 2. Transfer proteins to membrane according to the instructions provided by the manufacturer of the membrane and transfer apparatus.
 3. Stain according to standard Ponceau S procedure (or similar product) to assess transfer success, and mark molecular weight standards where appropriate.
 4. Rinse the blot.
 5. Block the membrane using standard blocking buffer for at least 1 hour.
 6. Wash the membrane in wash buffer three times for 10 minutes each.
 7. Dilute anti-Factor VII primary antibody in blocking buffer and incubate 1 hour at room temperature.
 8. Wash the membrane in wash buffer three times for 10 minutes each.
 9. Apply the diluted HRP conjugated secondary antibody in blocking buffer (as per manufacturers instructions) and incubate 1 hour at room temperature.
 10. Wash the blot in wash buffer three times for 10 minutes each (this step can be repeated as required to reduce background).
 11. Apply the detection reagent of choice in accordance with the manufacturers instructions.
- Note: Tween-20 can be added to the blocking or antibody dilution buffer at a final concentration of 0.05-0.2%.

Immunohistochemistry-Paraffin protocol for Factor VIII Antibody (NB100-91761)

Factor VIII Antibody:

Immunohistochemistry-Paraffin Embedded Sections

Antigen Unmasking:

Bring slides to a boil in 10 mM sodium citrate buffer (pH 6.0) then maintain at a sub-boiling temperature for 10 minutes. Cool slides on bench-top for 30 minutes.

Staining:

1. Wash sections in deionized water three times for 5 minutes each.
2. Wash sections in wash buffer for 5 minutes.
3. Block each section with 100-400 ul blocking solution for 1 hour at room temperature.
4. Remove blocking solution and add 100-400 ul diluted primary antibody. Incubate overnight at 4 C.
5. Remove antibody solution and wash sections in wash buffer three times for 5 minutes each.
6. Add 100-400 ul biotinylated diluted secondary antibody. Incubate 30 minutes at room temperature.
7. Remove secondary antibody solution and wash sections three times with wash buffer for 5 minutes each.
8. Add 100-400 ul Streptavidin-HRP reagent to each section and incubate for 30 minutes at room temperature.
9. Wash sections three times in wash buffer for 5 minutes each.
10. Add 100-400 ul DAB substrate to each section and monitor staining closely.
11. As soon as the sections develop, immerse slides in deionized water.
12. Counterstain sections in hematoxylin.
13. Wash sections in deionized water two times for 5 minutes each.
14. Dehydrate sections.
15. Mount coverslips.



Immunocytochemistry/Immunofluorescence protocol for Factor VIII Antibody (NB100-91761)

Factor VIII Antibody:

Immunocytochemistry Protocol

Culture cells to appropriate density in 35 mm culture dishes or 6-well plates.

1. Remove culture medium and add 10% formalin to the dish. Fix at room temperature for 30 minutes.
2. Remove the formalin and add ice cold methanol. Incubate for 5-10 minutes.
3. Remove methanol and add washing solution (i.e. PBS). Be sure to not let the specimen dry out. Wash three times for 10 minutes.
4. To block nonspecific antibody binding incubate in 10% normal goat serum from 1 hour to overnight at room temperature.
5. Add primary antibody at appropriate dilution and incubate at room temperature from 2 hours to overnight at room temperature.
6. Remove primary antibody and replace with washing solution. Wash three times for 10 minutes.
7. Add secondary antibody at appropriate dilution. Incubate for 1 hour at room temperature.
8. Remove antibody and replace with wash solution, then wash for 10 minutes. Add Hoechst 33258 to wash solution at 1:25,000 and incubate for 10 minutes. Wash a third time for 10 minutes.
9. Cells can be viewed directly after washing. The plates can also be stored in PBS containing Azide covered in Parafilm (TM). Cells can also be cover-slipped using Fluoromount, with appropriate sealing.





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Products Related to NB100-91761

HAF008	Goat anti-Rabbit IgG Secondary Antibody [HRP]
NB7160	Goat anti-Rabbit IgG (H+L) Secondary Antibody [HRP]
NBP2-24891	Rabbit IgG Isotype Control
NB100-91761B	Factor VIII Antibody [Biotin]

Limitations

This product is for research use only and is not approved for use in humans or in clinical diagnosis. Primary Antibodies are guaranteed for 1 year from date of receipt.

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