

Rabbit anti-Human, Mouse Factor VIII Polyclonal Antibody | anti-F8 antibody

Factor VIII Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA320802	Rabbit	Human, Mouse	ELISA, Immunocytochemistry, Immunofluorescence, Immunohistochemistry, Western Blot

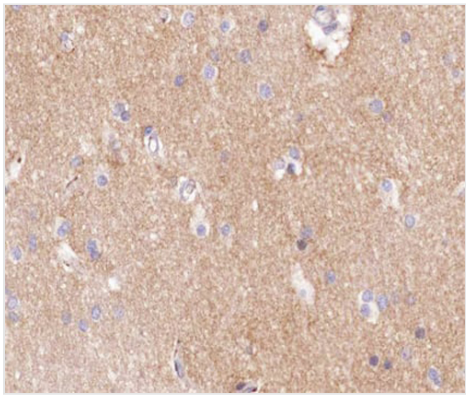
PRODUCT SYNONYMS

Factor VIII; Polyclonal Antibody; Factor VIII Antibody; AHF; Antihemophilic factor; Coagulation factor VIII; coagulation factor VIII; procoagulant component; coagulation factor VIIIc; DXS1253E; F8; F8b; F8c; FA8_HUMAN; factor VIII F8B; Factor VIIla light chain; FactorVIII; FVIII; Hema; Hemophilia A; Hemophilia; classic; OTTHUMP00000061446; OTTHUMP00000196174; Procoagulant component; anti-F8 antibody

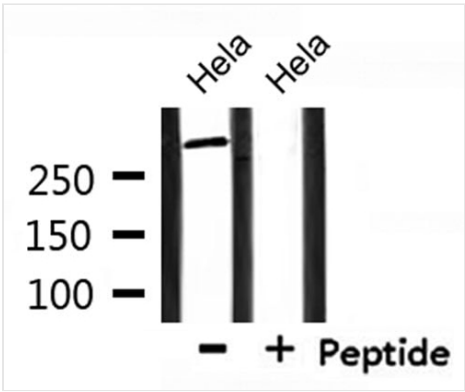
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse
Clonality	Polyclonal
Isotype	IgG
Specificity	Factor VIII antibody detects endogenous levels of total Factor VIII
Purity/Purification	The antiserum was purified by peptide affinity chromatography using SulfoLink Coupling Resin.
Form/Format	Liquid Phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Concentration	1mg/ml (varies by lot)
Sequence Length	2351
Applicable Applications for anti-F8 antibody	ELISA, ICC (Immunocytochemistry), IF (Immunofluorescence), IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	A synthesized peptide derived from human Factor VIII
Subcellular Location	Secreted > Extracellular Space.
Predicted Cross Reactivity	Pig, Bovine, Horse, Sheep, Rabbit, Dog, Chicken
Similarity	Pig (83%), Bovine (92%), Horse (83%), Sheep (92%), Rabbit (100%), Dog (100%), Chicken (83%)
Conjugation	Unconjugated
Preparation and Storage	Store at -20 degree C. Stable for 12 months from date of receipt.

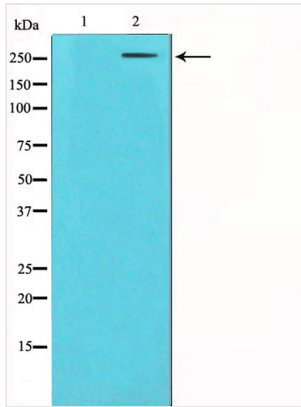
IMAGES



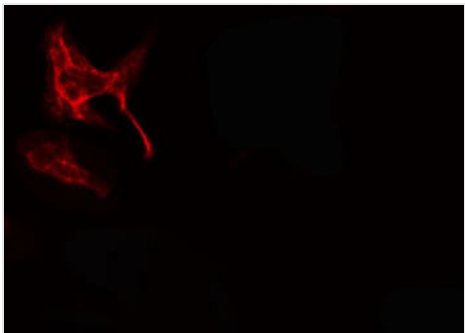
IHC (Immunohistochemistry)
AAA320802 at 1/100 staining human brain tissue sections by IHC-P. The tissue was formaldehyde fixed and a heat mediated antigen retrieval step in citrate buffer was performed. The tissue was then blocked and incubated with the antibody for 1.5 hours at 22 degree C. An HRP conjugated goat anti-rabbit antibody was used as the secondary.



WB (Western Blot)
Western blot analysis of extracts from HeLa, using Factor VIII Antibody.



WB (Western Blot)
Western blot analysis on HuvEc cell lysate using Factor VIII Antibody. The lane on the left is treated with the antigen-specific peptide.



IF (Immunofluorescence)
AAA320802 staining HuvEc cells by IF/ICC. The sample were fixed with PFA and permeabilized in 0.1% Triton X-100, then blocked in 10% serum for 45 minutes at 25 degree C. The primary antibody was diluted at 1/200 and incubated with the sample for 1 hour at 37 degree C. An Alexa Fluor 594 conjugated goat anti-rabbit IgG (H+L) antibody, diluted at 1/600, was used as secondary antibody.

ADDITIONAL INFORMATION

Related Product Information for anti-F8 antibody	Description:	F8 Factor VIII, along with calcium and phospholipid, acts as a cofactor for factor IXa when it converts factor X to the activated form, factor Xa. Belongs to the multicopper oxidase family. Interacts with vWF. vWF binding is essential for the stabilization of F8 in circulation.
	Subunit Structure:	Interacts with VWF/vWF. vWF binding is essential for the stabilization of F8 in circulation.
	Post-translational Modifications:	Sulfation on Tyr-1699 is essential for binding vWF.
	Similarity:	Domain F5/8 type C 2 is responsible for phospholipid-binding and essential for factor VIII activity. Belongs to the multicopper oxidase family.

NCBI AND UNIPROT INFORMATION

NCBI GI #	4503647
NCBI GeneID	2157
NCBI Accession #	NP_000123.1
NCBI GenBank Nucleotide #	NM_000132.3
UniProt Accession #	P00451; Q14286; Q5HY69
Molecular Weight	Observed: 300 kDa Predicted: 268 kDa

NCBI Official Full Name	coagulation factor VIII isoform a preproprotein
NCBI Official Synonym Full Names	coagulation factor VIII
NCBI Official Symbol	F8
NCBI Official Synonym Symbols	AHF; F8B; F8C; HEMA; FVIII; DXS1253E
NCBI Protein Information	coagulation factor VIII
UniProt Protein Name	Coagulation factor VIII
UniProt Gene Name	F8
UniProt Synonym Gene Names	F8C; AHF

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/factor-viii-antibody-immunocytochemistry-immunofluorescence-immunohistochemistry-western-blot-elisa/320802>