

Product Name: Factor VIII Rabbit Polyclonal Antibody
Catalog #: APRab00399



Summary

Production Name	Factor VIII Rabbit Polyclonal Antibody
Description	Primary antibody
Host	Rabbit
Application	WB,IHC-P,ELISA
Reactivity	Human,Mouse

Performance

Conjugation	Unconjugated
Modification	Unmodified
Isotype	IgG
Clonality	Polyclonal Antibody
Form	Liquid
Storage	Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.
Buffer	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide, pH 7.3.
Purification	Affinity Purified

Immunogen

Gene Name	F8
Alternative Names	F8; F8C; Coagulation factor VIII; Antihemophilic factor; AHF; Procoagulant component
Gene ID	2157
SwissProt ID	P00451

Application

Dilution Ratio	WB: 1/500-1/1000 IHC: 1/50-1/100 ELISA: 1/10000
Molecular Weight	Calculated MW: 267 kDa; Observed MW: 300 kDa

Background

F8: coagulation factor VIII, procoagulant component. This gene encodes coagulation factor VIII, which participates in the

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intrinsic pathway of blood coagulation; factor VIII is a cofactor for factor IXa which, in the presence of Ca⁺² and phospholipids, converts factor X to the activated form Xa. This gene produces two alternatively spliced transcripts. Transcript variant 1 encodes a large glycoprotein, isoform a, which circulates in plasma and associates with von Willebrand factor in a noncovalent complex. This protein undergoes multiple cleavage events. Transcript variant 2 encodes a putative small protein, isoform b, which consists primarily of the phospholipid binding domain of factor VIIIc. This binding domain is essential for coagulant activity. Defects in this gene results in hemophilia A, a common recessive X-linked coagulation disorder.

Research Area

Cardiovascular

Image Data



Western blot analysis of Factor VIII in HuvEc lysates using Factor VIII antibody.



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Note

For research use only.