Product Name: Factor VIII Rabbit Polyclonal Antibody
Catalog #: APRab00399
For research use only.

Summary

Description	Rabbit polyclonal Antibody
Host	Rabbit
Application	WB,IHC,ELISA
Reactivity	Human,Mouse
Conjugation	Unconjugated
Modification	Unmodified
Isotype	IgG
Clonality	Polyclonal
Form	Liquid
Concentration	1mg/ml
Storage	Aliquot and store at -20°C (valid for 12 months). Avoid freeze/thaw cycles.
Shipping	Ice bags
Buffer	Liquid in PBS containing 50% glycerol, 0.5% protective protein and 0.02% sodium azide, pH 7.3.
Purification	Affinity Purification

Application

Dilution Ratio	WB 1:500-1:1000,IHC 1:50-1:100,ELISA 1:5000-1:20000
Molecular Weight	Calculated MW: 267 kDa; Observed MW: 300 kDa

Antigen Information

Gene Name	F8
Alternative Names	F8; F8C; Coagulation factor VIII; Antihemophilic factor; AHF; Procoagulant component
Gene ID	2157
SwissProt ID	P00451
Immunogen	The antiserum was produced against synthesized peptide derived from human Factor VIII. AA range:2161-2210

Background

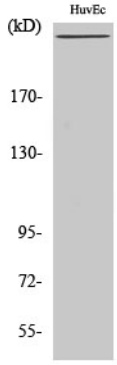
F8: coagulation factor VIII, procoagulant component. This gene encodes coagulation factor VIII, which participates in the

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.

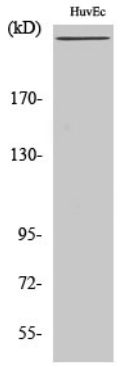
Research Area

Cardiovascular

Image Data



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



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