

# Product datasheet for AP06114PU-N

## Factor VIII (F8) Rabbit Polyclonal Antibody

### **Product data:**

#### OriGene Technologies, Inc.

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Product Type:	Primary Antibodies
Applications:	IHC, WB
Recommended Dilution:	Western blot: 1/500-1/1000. Immunohistochemistry on paraffin sections: 1/50-1/200.
Reactivity:	Human, Mouse
Host:	Rabbit
Clonality:	Polyclonal
Immunogen:	Synthetic peptide, corresponding to amino acids 2161-2210 of Human F8.
Specificity:	This antibody detects endogenous levels of Coagulation factor VIII (F8) protein (region surronding Ser2194).
Formulation:	Phosphate buffered saline (PBS), pH 7.2. State: Aff - Purified State: Liquid purified Ig fraction Preservative: 0.05% Sodium azide
Concentration:	1.0 mg/ml
Purification:	Affinity chromatography using epitope-specific immunogen (> 95% pure by SDS-PAGE).
Conjugation:	Unconjugated
Storage:	Store undiluted at 2-8°C for one month or (in aliquots) at -20°C for longer. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
Predicted Protein Size:	~267 kDa
Gene Name:	coagulation factor VIII
Database Link:	<u>Entrez Gene 2157 Human</u> <u>P00451</u>



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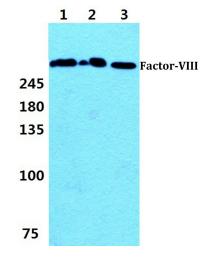
#### **GRIGENE** Factor VIII (F8) Rabbit Polyclonal Antibody – AP06114PU-N

Background:Hemostasis following tissue injury involves the deployment of essential plasma procoagulants<br/>(prothrombin, and Factors X, IX, V, and VIII), which are involved in a blood coagulation<br/>cascade that leads to the formation of insoluble fibrin clots and the promotion of platelet<br/>aggregation. Coagulation Factor VII (serum prothrombin conversion accelerator, proconvertin,<br/>F7, Factor VII) is a 406 amino acid, vitamin K-dependent, single chain serine protease that is<br/>synthesized in the liver and circulates as an inactive precursor. Factor IX A, Factor X A, Factor<br/>XII A, or thrombin mediated proteolytic cleavage of Factor VII at Arg152-Ile153 generates<br/>Factor VII A, an active serine protease composed of a catalytic heavy chain disulfide linked to<br/>a light chain, containing 2 EGF-like domains. Mutations at the F7 locus that lead to Factor VII<br/>deficiencies are generally asymptomatic or phenotypically uncharacterized, with hemorrhagic<br/>diathesis occurring at extremely low levels.

Synonyms:

Procoagulant component, Antihemophilic factor, F8C, AHF

#### **Product images:**



Western blot (WB) analysis of F8 antibody at 1/500 dilution Lane 1:HepG2 whole cell lysate Lane 2:Mouse liver tissue lysate Lane 3:Rat liver tissue lysate

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