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Product datasheet for AP06114PU-M

Factor VIII (F8) Rabbit Polyclonal Antibody

Product data:

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:	Entrez Gene 2157 Human P00451

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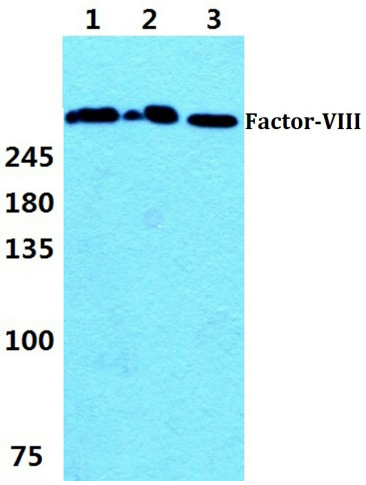
Background: Hemostasis following tissue injury involves the deployment of essential plasma procoagulants (prothrombin, and Factors X, IX, V, and VIII), which are involved in a blood coagulation cascade that leads to the formation of insoluble fibrin clots and the promotion of platelet aggregation. Coagulation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