

Datasheet for ABIN615558
anti-Coagulation Factor X antibody

2 Images

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Overview

Quantity:	50 µg
Target:	Coagulation Factor X (F10)
Reactivity:	Human
Host:	Sheep
Clonality:	Polyclonal
Conjugate:	This Coagulation Factor X antibody is un-conjugated
Application:	Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), Enzyme Immunoassay (EIA), Immunodiffusion (ID), Immunoelectrophoresis (IEP)

Product Details

Immunogen:	Human Factor X purified from plasma, activated and active site blocked
Isotype:	IgG
Specificity:	This antibody detects Coagulation factor X (F10). Only one arc was seen with normal plasma. No arc was seen with Factor X deficient plasma.
Cross-Reactivity (Details):	Species reactivity (tested):Human.
Purification:	Immunoaffinity Chromatography

Target Details

Target:	Coagulation Factor X (F10)
Abstract:	F10 Products

Target Details

Background: F10 is the vitamin K-dependent coagulation factor X of the blood coagulation cascade. This factor undergoes multiple processing steps before its preproprotein is converted to a mature two-chain form by the excision of the tripeptide RKR. Two chains of the factor are held together by 1 or more disulfide bonds, the light chain contains 2 EGF-like domains, while the heavy chain contains the catalytic domain which is structurally homologous to those of the other hemostatic serine proteases. The mature factor is activated by the cleavage of the activation peptide by factor IXa (in the intrinsic pathway), or by factor VIIa (in the extrinsic pathway). The activated factor then converts prothrombin to thrombin in the presence of factor Va, Ca²⁺, and phospholipid during blood clotting. Synonyms: Stuart factor, Stuart-Prower factor

Gene ID: 2159

NCBI Accession: [NP_000495](#)

UniProt: [P00742](#)

Application Details

Application Notes: Optimal working dilution should be determined by the investigator.

Restrictions: For Research Use only

Handling

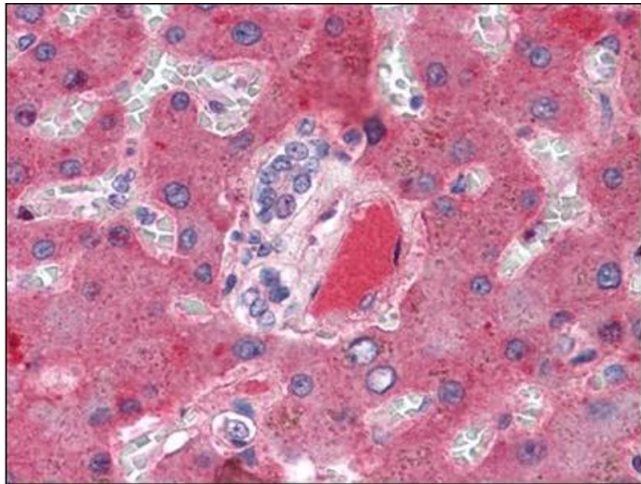
Concentration: 1.0 mg/mL

Buffer: 10 mM HEPES, pH 7.4, 0.15 M Sodium Chloride, 50 % Glycerol

Handling Advice: Avoid repeated freezing and thawing.

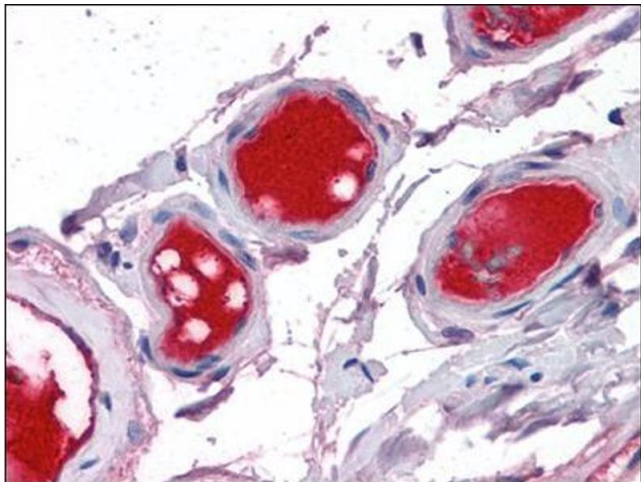
Storage: 4 °C/-20 °C

Storage Comment: Store the antibody undiluted at 2-8 °C for one month or (in aliquots) at -20 °C for longer.



Immunohistochemistry (Paraffin-embedded Sections)

Image 1. Liver, vessel: Formalin-Fixed, Paraffin-Embedded (FFPE)



Immunohistochemistry (Paraffin-embedded Sections)

Image 2. Small intestine, vessels: Formalin-Fixed, Paraffin-Embedded (FFPE)