

Datasheet for ABIN390688

anti-Coagulation Factor X antibody (C-Term)

3 Images

[Go to Product page](#)

Overview

Quantity:	400 µL
Target:	Coagulation Factor X (F10)
Binding Specificity:	AA 351-381, C-Term
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This Coagulation Factor X antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), Flow Cytometry (FACS)

Product Details

Immunogen:	This F10 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 351-381 amino acids from the C-terminal region of human F10.
Clone:	RB19293
Isotype:	Ig Fraction
Purification:	This antibody is prepared by Saturated Ammonium Sulfate (SAS) precipitation followed by dialysis against PBS.

Target Details

Target:	Coagulation Factor X (F10)
Alternative Name:	F10 (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.

Molecular Weight: 54732

Gene ID: 2159

NCBI Accession: [NP_000495](#)

UniProt: [P00742](#)

Application Details

Application Notes: WB: 1:1000. IHC-P: 1:50~100. FC: 1:10~50

Restrictions: For Research Use only

Handling

Format: Liquid

Buffer: Purified polyclonal antibody supplied in PBS with 0.09 % (W/V) sodium azide.

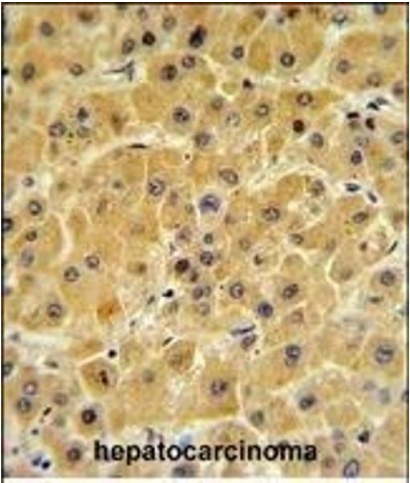
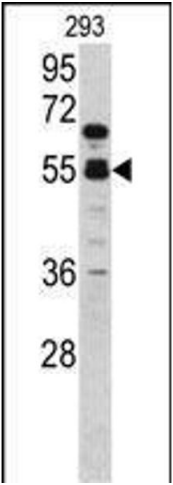
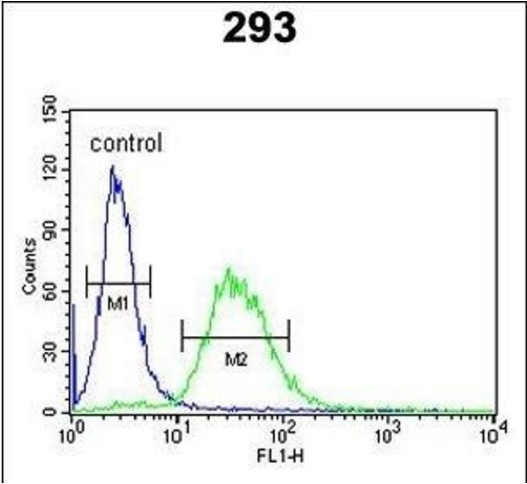
Preservative: Sodium azide

Precaution of Use: This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Storage: 4 °C, -20 °C

Storage Comment: Maintain refrigerated at 2-8 °C for up to 6 months. For long term storage store at -20 °C in small aliquots to prevent freeze-thaw cycles.

Expiry Date: 6 months



Flow Cytometry

Image 1. F10 Antibody (C-term) (ABIN390688 and ABIN2840978) flow cytometric analysis of 293 cells (right histogram) compared to a negative control cell (left histogram). FITC-conjugated goat-anti-rabbit secondary antibodies were used for the analysis.

Western Blotting

Image 2. Western blot analysis of F10 antibody (C-term) (ABIN390688 and ABIN2840978) in 293 cell line lysates (35 µg/lane). F10 (arrow) was detected using the purified Pab.

Immunohistochemistry (Paraffin-embedded Sections)

Image 3. F10 Antibody (C-term) (ABIN390688 and ABIN2840978) IHC analysis in formalin fixed and paraffin embedded human hepatocarcinoma followed by peroxidase conjugation of the secondary antibody and DAB staining. This data demonstrates the use of the F10 Antibody (C-term) for immunohistochemistry. Clinical relevance has not been evaluated.