

F10 Antibody (C-term)
Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP6728b**Specification**

F10 Antibody (C-term) - Product Information

Application	WB, IHC-P, FC,E
Primary Accession	P00742
Reactivity	Human
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Calculated MW	54732
Antigen Region	351-381

F10 Antibody (C-term) - Additional Information**Gene ID** 2159**Other Names**

Coagulation factor X, Stuart factor, Stuart-Prower factor, Factor X light chain, Factor X heavy chain, Activated factor Xa heavy chain, F10

Target/Specificity

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.

Dilution

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

Format

Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is prepared by Saturated Ammonium Sulfate (SAS) precipitation followed by dialysis against PBS.

Storage

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

Precautions

F10 Antibody (C-term) is for research use only and not for use in diagnostic or therapeutic procedures.

F10 Antibody (C-term) - Protein Information**Name** F10

Function Factor Xa is a vitamin K-dependent glycoprotein that converts prothrombin to thrombin in the presence of factor Va, calcium and phospholipid during blood clotting.

Cellular Location

Secreted.

Tissue Location

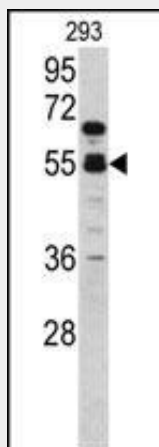
Plasma; synthesized in the liver.

F10 Antibody (C-term) - Protocols

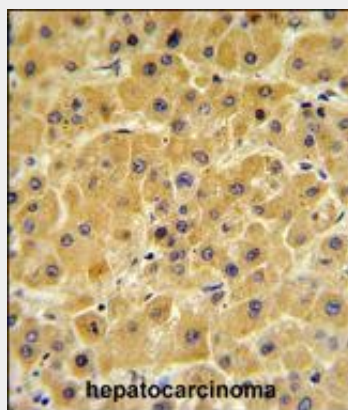
Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

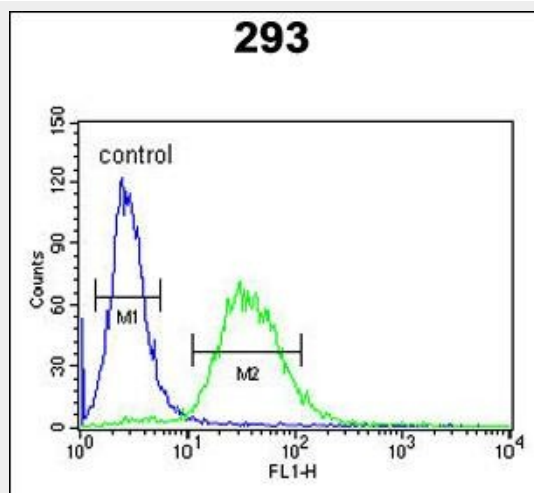
F10 Antibody (C-term) - Images



Western blot analysis of F10 antibody (C-term) (Cat. #AP6728b) in 293 cell line lysates (35ug/lane). F10 (arrow) was detected using the purified Pab.



F10 Antibody (C-term) (Cat. #AP6728b) 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.



F10 Antibody (C-term) (Cat. #AP6728b) 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.

F10 Antibody (C-term) - 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.

F10 Antibody (C-term) - References

- Alba, R., Blood 114 (5), 965-971 (2009)
- Borensztajn, K., Thromb. Res. 124 (2), 219-225 (2009)
- Larson, P.J., Biochemistry 37 (14), 5029-5038 (1998)