

Rabbit F10 Polyclonal Antibody | anti-F10 antibody

F10 Antibody

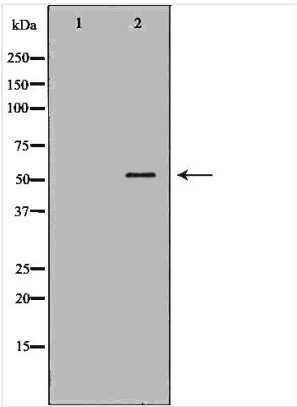
CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA326188	Rabbit	Human, Mouse, Rat	ELISA, Immunohistochemistry, Western Blot

PRODUCT SYNONYMS

F10; Polyclonal Antibody; F10 Antibody; Activated factor Xa heavy chain; Coagulation factor X; FA10_HUMAN; factor Xa; FX; FXA; Prothrombinase; Stuart factor; Stuart Prower factor; Stuart-Prower factor; anti-F10 antibody

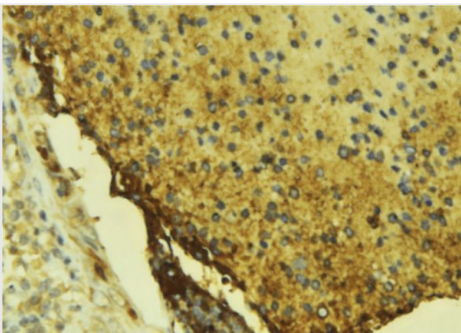
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	IgG
Specificity	F10 antibody detects endogenous levels of total F10
Purity/Purification	The antiserum was purified by peptide affinity chromatography using SulfoLink Coupling Resin.
Form/Format	Liquid Phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Concentration	1mg/ml (varies by lot)
Sequence Length	488
Applicable Applications for anti-F10 antibody	ELISA, IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	A synthesized peptide derived from human F10
Subcellular Location	Secreted.
Tissue Specificity	Plasma; synthesized in the liver.
Conjugation	Unconjugated
Preparation and Storage	Store at -20 degree C. Stable for 12 months from date of receipt.



WB (Western Blot)

Western blot analysis of extracts of HepG2, using F10 antibody. The lane on the left is treated with the antigen-specific peptide.



IHC (Immunohistochemistry)

AAA326188 at 1/100 staining Mouse liver tissue by IHC-P. The sample was formaldehyde fixed and a heat mediated antigen retrieval step in citrate buffer was performed. The sample was then blocked and incubated with the antibody for 1.5 hours at 22 degree C. An HRP conjugated goat anti-rabbit antibody was used as the secondary.

ADDITIONAL INFORMATION

Related Product Information for anti-F10 antibody

Description: This gene encodes 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, Ca+2, and phospholipid during blood clotting. Mutations of this gene result in factor X deficiency, a hemorrhagic condition of variable severity. [provided by RefSeq, Jul 2008]

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.

Subunit Structure: The two chains are formed from a single-chain precursor by the excision of two Arg residues and are held together by 1 or more disulfide bonds. Forms a heterodimer with SERPINA5.

Post-translational Modifications: The vitamin K-dependent, enzymatic carboxylation of some glutamate residues allows the modified protein to bind calcium. N-and O-glycosylated. O-glycosylated with core 1 or possibly core 8 glycans. The activation peptide is cleaved by factor IXa (in the intrinsic pathway), or by factor VIIa (in the extrinsic pathway). The iron and 2-oxoglutarate dependent 3-hydroxylation of aspartate and asparagine is (R) stereospecific within EGF domains.

Similarity: Belongs to the peptidase S1 family.

NCBI AND UNIPROT INFORMATION

NCBI GI #	4503625
NCBI GeneID	2159
NCBI Accession #	NP_000495.1
NCBI GenBank Nucleotide #	NM_000504.3
UniProt Accession #	P00742; Q14340
Molecular Weight	Observed: 55 kDa Predicted: 55 kDa
NCBI Official Full Name	coagulation factor X isoform 1 preproprotein
NCBI Official Synonym Full Names	coagulation factor X
NCBI Official Symbol	F10
NCBI Official Synonym Symbols	FX; FXA

NCBI Protein Information	coagulation factor X
UniProt Protein Name	Coagulation factor X
UniProt Gene Name	F10

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: <https://www.aaabiotech.com/polyclonal/f10-antibody-immunohistochemistry-western-blot-elisa/326188>