

F10 polyclonal antibody

Catalog # PAB14923

Size

Specification

Product Description	Sheep polyclonal antibody raised against F10.
Immunogen	Purified human F10.
Host	Sheep
Reactivity	Human
Specificity	This antibody has a single antigen reactivity with minimal cross reactivity with other human serum proteins.
Form	Liquid
Recommend Usage	ELISA (1:1000) Immunodiffusion (1:32) The optimal working dilution should be determined by the end user.
Storage Buffer	In serum
Storage Instruction	Store at 4°C. For long term storage store at -20°C. Aliquot to avoid repeated freezing and thawing.

Applications

- Immunocytochemistry
- Immunofluorescence
- Enzyme-linked Immunoabsorbent Assay
- Immunodiffusion
- Immunoelectron Microscopy

Gene Info — F10

Entrez GeneID [2159](#)

Gene Name F10

Gene Alias FX, FXA

Gene Description coagulation factor X

Omim ID [227600](#)

Gene Ontology [Hyperlink](#)

Gene Summary

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, Ca²⁺, and phospholipid during blood clotting. Mutations of this gene result in factor X deficiency, a hemorrhagic condition of variable severity. [provided by RefSeq]

Other Designations OTTHUMP00000018735|Stuart-Prower factor|factor Xa|prothrombinase

Pathway

- [Complement and coagulation cascades](#)

Disease

- [Alzheimer disease](#)
- [Cardiovascular Diseases](#)
- [Cerebral Hemorrhage](#)
- [Chronic Disease](#)
- [Diabetes Complications](#)
- [Diabetes Mellitus](#)

- [Edema](#)
- [Genetic Predisposition to Disease](#)
- [Hypertension](#)
- [Intracranial Hemorrhages](#)
- [Kidney Diseases](#)
- [Kidney Failure](#)
- [Metabolic Syndrome X](#)
- [Neoplasms](#)
- [Osteoporosis](#)
- [Premature Birth](#)
- [Stroke](#)
- [Subarachnoid Hemorrhage](#)