

F10 polyclonal antibody

Catalog # PAB19898 Size 150 ug

Specification

Product Description	Rabbit polyclonal antibody raised against native F10.
Immunogen	Native purified F10 from human plasma.
Host	Rabbit
Reactivity	Human
Form	Liquid
Purification	Affinity purification
Recommend Usage	The optimal working dilution should be determined by the end user.
Storage Buffer	In PBS, pH 7.5 (0.02% sodium azide, 50% glycerol (v/v))
Storage Instruction	Store at -20°C. Aliquot to avoid repeated freezing and thawing.
Note	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Applications

- Western Blot
- Enzyme Immunoassay

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

Publication Reference

- [Transferrin plays a central role in coagulation balance by interacting with clotting factors.](#)

Tang X, Zhang Z, Fang M, Han Y, Wang G, Wang S, Xue M, Li Y, Zhang L, Wu J, Yang B, Mwangi J, Lu Q, Du X, Lai R.
Cell Research 2020 Feb; 30(2):119.

Application: ELISA, Func, Mouse, Mouse plasma

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](#)