003216589045 (EU)

## F10 Polyclonal Antibody

Cat \#: G-AB-08710

| Host: Rabbit | Reactivity: Human, Mouse |
| :--- | :--- |
| Isotype: IgG | Clonality: |

## Overview:

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 intrisic pathway), or by factor VIIa (in the extrinsic pathway). The activated factor then converts prothrombin to thrombin in the presence of factor $\mathrm{Va}, \mathrm{Ca}+2$, and phospholipid during blood clotting. Mutations of this gene result in factor X deficiency, a hemorrhagic condition of variable severity. Alternative splicing results in multiple transcript variants encoding different isoforms that may undergo similar proteolytic processing to generate mature polypeptides.

Gene ID: 2159

## Accession \#:

Immunogen: Recombinant fusion protein of human F10 (NP_000495.1).

Conjugation: Unconjugated

Swissprot: P00742

## Calculated Molecular Weight:

## Observed Molecular Weight:

Concentration: $1 \mathrm{mg} / \mathrm{mL}$

Buffer: PBS with 0.02\% sodium azide, 50\% glycerol, pH7.3
Purification Method: Affinity purification

## Application: IF

Dilution: IF 1:10-1:100

Storage: Store at $-20^{\circ} \mathrm{C}$. Avoid freeze / thaw cycles.

