ELK Biotechnology

# Cleaved-Factor Xa activated HC (I235) rabbit pAb

## Cat No.:ES5189

**For research use only**

### Overview

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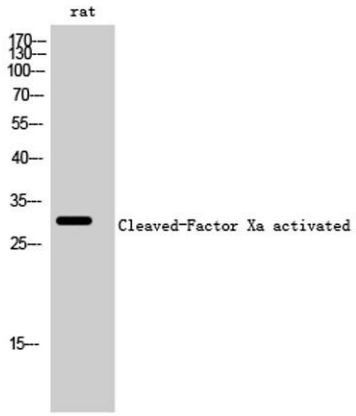
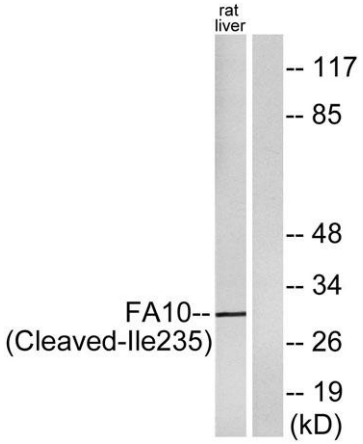
| **Product Name** | Cleaved-Factor Xa activated HC (I235) rabbit pAb |
| **Host species** | Rabbit |
| **Applications** | WB;ELISA |
| **Species Cross-Reactivity** | Human;Mouse;Rat |
| **Recommended dilutions** | Western Blot: 1/500 - 1/2000. ELISA: 1/20000. Not yet tested in other applications. |
| **Immunogen** | The antiserum was produced against synthesized peptide derived from human FA10. AA range:216-265 |
| **Specificity** | Cleaved-Factor Xa activated HC (I235) Polyclonal Antibody detects endogenous levels of fragment of activated Factor Xa activated HC protein resulting from cleavage adjacent to I235. |
| **Formulation** | Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide. |
| **Storage** | Store at -20°C. Avoid repeated freeze-thaw cycles. |
| **Protein Name** | Coagulation factor X |
| **Gene Name** | F10 |
| **Cellular localization** | Secreted. |
| **Purification** | The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen. |
| **Clonality** | Polyclonal |
| **Concentration** | 1 mg/ml |
| **Observed band** | 30kD |
| **Human Gene ID** | 2159 |
| **Human Swiss-Prot Number** | P00742 |
| **Alternative Names** | F10; Coagulation factor X; Stuart factor; Stuart-Prower factor |
| **Background** | 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 Va, Ca+2, and phospholipid during blood clotting. Mutations of this gene result in factor X deficiency, a hemorrhagic condition of variable severity. Alternative sp




Western Blot analysis of rat cells using Cleaved-Factor Xa activated HC (I235) Polyclonal Antibody




Western blot analysis of lysates from rat liver cells, using FA10 (activated heavy chain,Cleaved-Ile235) Antibody. The lane on the right is blocked with the synthesized peptide.

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