



Cleaved-Factor X/ Factor X LC (A41) rabbit pAb

Cat No.:ES1059

For research use only

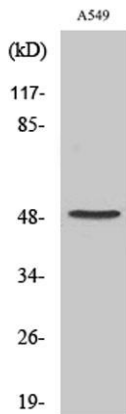
Overview

Product Name	Cleaved-Factor X/ Factor X LC (A41) rabbit pAb
Host species	Rabbit
Applications	WB;ELISA
Species Cross-Reactivity	Human;Rat;Mouse;
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:22-71
Specificity	Cleaved-Factor X/ Factor X LC (A41) Polyclonal Antibody detects endogenous levels of fragment of activated Factor X/ Factor X LC protein resulting from cleavage adjacent to A41.
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	50kD
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

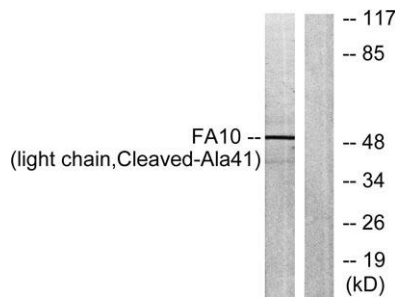




mature two-chain form by the excision of the tripeptide RKR. Two chains of the factor are held together by 1 or more disulfide bonds; the light chain contains 2 EGF-like domains, while the heavy chain contains the catalytic domain which is structurally homologous to those of the other hemostatic serine proteases. The mature factor is activated by the cleavage of the activation peptide by factor IXa (in the 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. Alternative sp



Western Blot analysis of various cells using Cleaved-Factor X/ Factor X LC (A41) Polyclonal Antibody



Western blot analysis of lysates from A549 cells, treated with etoposide 24uM 24h, using FA10 (light chain, Cleaved-Ala41) Antibody. The lane on the right is blocked with the synthesized peptide.

