

产品名称: Cleaved-Factor X/ Factor X LC (A41) Rabbit Polyclonal Antibody
产品货号: APRab08988



产品概述 (Summary)

产品名称 (Production Name)	Cleaved-Factor X/ Factor X LC (A41) Rabbit Polyclonal Antibody
描述 (Description)	Rabbit polyclonal Antibody
宿主 (Host)	Rabbit
应用 (Application)	WB,ELISA
种属反应性 (Reactivity)	Human,Rat,Mouse

产品性能 (Performance)

偶联物 (Conjugation)	Unconjugated
修饰 (Modification)	Unmodified
同种型 (Isotype)	IgG
克隆 (Clonality)	Polyclonal
形式 (Form)	Liquid
存放说明 (Storage)	Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.
储存溶液 (Buffer)	Liquid in PBS containing 50% glycerol, 0.5% protective protein and 0.02% New type preservative N.
纯化方式 (Purification)	Affinity purification

免疫原信息 (Immunogen)

基因名 (Gene Name)	F10
别名 (Alternative Names)	F10; Coagulation factor X; Stuart factor; Stuart-Prower factor
基因 ID (Gene ID)	2159.0
蛋白 ID (SwissProt ID)	P00742.The antiserum was produced against synthesized peptide derived from human FA10. AA range:22-71

产品应用 (Application)

稀释比 (Dilution Ratio)	WB 1:500-1:2000,ELISA 1:10000-1:20000
蛋白分子量 (Molecular Weight)	50kDa

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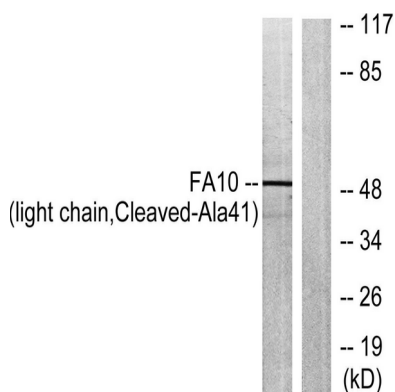
研究背景 (Background)

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 splicing activity: Selective cleavage of Arg-|-Thr and then Arg-|-Ile bonds in prothrombin to form thrombin., function: Factor Xa is a vitamin K-dependent glycoprotein that converts prothrombin to thrombin in the presence of factor Va, calcium and phospholipid during blood clotting., online information: Factor X entry, PTM: N- and O-glycosylated., PTM: The activation peptide is cleaved by factor IXa (in the intrinsic pathway), or by factor VIIa (in the extrinsic pathway)., PTM: The iron and 2-oxoglutarate dependent 3-hydroxylation of aspartate and asparagine is (R) stereospecific within EGF domains., PTM: The vitamin K-dependent, enzymatic carboxylation of some glutamate residues allows the modified protein to bind calcium., similarity: Belongs to the peptidase S1 family., similarity: Contains 1 Gla (gamma-carboxy-glutamate) domain., similarity: Contains 1 peptidase S1 domain., similarity: Contains 2 EGF-like domains., subunit: The two chains are formed from a single-chain precursor by the excision of two Arg residues and are held together by 1 or more disulfide bonds., tissue specificity: Plasma; synthesized in the liver.,

研究领域 (Research Area)

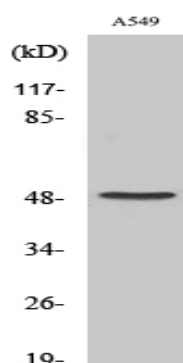
Complement and coagulation cascades;

图片 (Image Data)



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.

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

注意事项 (Note)

For research use only .