

产品名称: Cleaved-Plasma Kallikrein HC (R390) Rabbit Polyclonal Antibody
产品货号: APRab09027



产品概述 (Summary)

产品名称 (Production Name)	Cleaved-Plasma Kallikrein HC (R390) Rabbit Polyclonal Antibody
描述 (Description)	Rabbit polyclonal Antibody
宿主 (Host)	Rabbit
应用 (Application)	WB,IHC,ICC/IF,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)	KLKB1
别名 (Alternative Names)	KLKB1; KLK3; Plasma kallikrein; Fletcher factor; Kininogenin; Plasma prekallikrein
基因 ID (Gene ID)	3818.0
蛋白 ID (SwissProt ID)	P03952.The antiserum was produced against synthesized peptide derived from human KLKB1. AA range:341-390

产品应用 (Application)

稀释比 (Dilution Ratio)	WB 1:500-1:2000,IHC 1:100-1:300,ICC/IF 1:50-1:200,ELISA 1:5000-1:20000
蛋白分子量 (Molecular Weight)	45kDa

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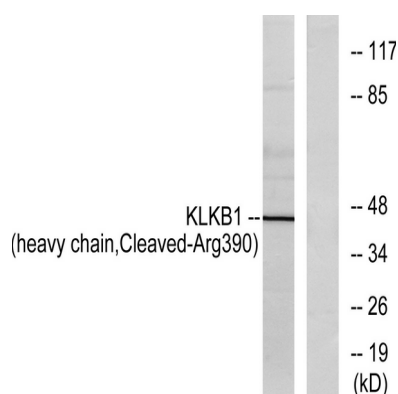
研究背景 (Background)

This gene encodes a glycoprotein that participates in the surface-dependent activation of blood coagulation, fibrinolysis, kinin generation and inflammation. The encoded preproprotein present in plasma as a non-covalent complex with high molecular weight kininogen undergoes proteolytic processing mediated by activated coagulation factor XII to generate a disulfide-linked, heterodimeric serine protease comprised of heavy and light chains. Certain mutations in this gene cause prekallikrein deficiency. Alternative splicing results in multiple transcript variants encoding different isoforms. [provided by RefSeq, Jan 2016], catalytic activity: Cleaves selectively Arg-|-Xaa and Lys-|-Xaa bonds, including Lys-|-Arg and Arg-|-Ser bonds in (human) kininogen to release bradykinin., disease: Defects in KLKB1 are the cause of prekallikrein deficiency (PKK deficiency) [MIM:612423]; also called Fletcher factor deficiency. This disorder is a blood coagulation defect., function: The enzyme cleaves Lys-Arg and Arg-Ser bonds. It activates, in a reciprocal reaction, factor XII after its binding to a negatively charged surface. It also releases bradykinin from HMW kininogen and may also play a role in the renin-angiotensin system by converting prorenin into renin., similarity: Belongs to the peptidase S1 family., similarity: Belongs to the peptidase S1 family. Plasma kallikrein subfamily., similarity: Contains 1 peptidase S1 domain., similarity: Contains 4 apple domains., subunit: The zymogen is activated by factor XIIa, which cleaves the molecule into a light chain, which contains the active site, and a heavy chain, which associates with HMW kininogen. These chains are linked by one or more disulfide bonds.,

研究领域 (Research Area)

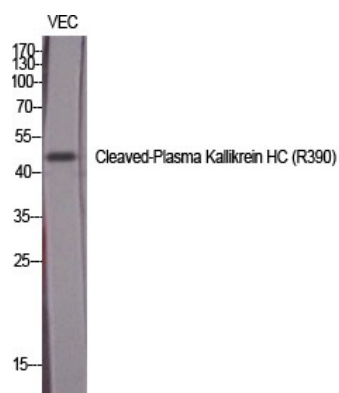
Complement and coagulation cascades;

图片 (Image Data)

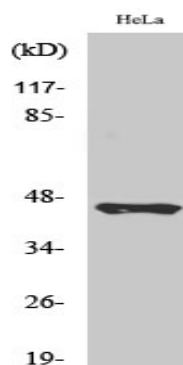


Western blot analysis of lysates from HeLa cells, using KLKB1 (heavy chain, Cleaved-Arg390) Antibody. The lane on the right is blocked with the synthesized peptide.

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Western Blot analysis of various cells using Cleaved-Plasma Kallikrein HC (R390) Polyclonal Antibody diluted at 1: 1000



Western Blot analysis of HeLa cells using Cleaved-Plasma Kallikrein HC (R390) Polyclonal Antibody diluted at 1: 1000

注意事项 (Note)

For research use only .