

产品名称: Cleaved-Kininogen-1 HC (K380) Rabbit Polyclonal Antibody
产品货号: APRab09002

产品概述 (Summary)

产品名称 (Production Name)	Cleaved-Kininogen-1 HC (K380) 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)	KNG1
别名 (Alternative Names)	KNG1; BDK; KNG; Kininogen-1; Alpha-2-thiol proteinase inhibitor; Fitzgerald factor; High molecular weight kininogen; HMWK; Williams-Fitzgerald-Flaujeac factor
基因 ID (Gene ID)	3827.0
蛋白 ID (SwissProt ID)	P01042.Synthesized peptide derived from Cleaved-Kininogen-1 HC (K380) . at AA range: 300-380

产品应用 (Application)

稀释比 (Dilution Ratio)	WB 1:500-1:2000,ELISA 1:5000-1:20000
----------------------	--------------------------------------

产品名称: Cleaved-Kininogen-1 HC (K380) Rabbit Polyclonal Antibody
产品货号: APRab09002

蛋白分子量 (Molecular Weight) 41kDa

研究背景 (Background)

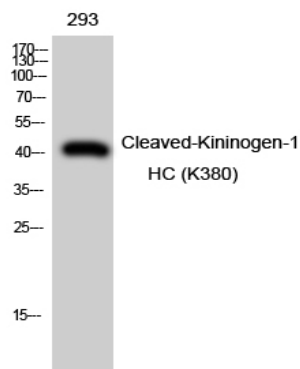
This gene uses alternative splicing to generate two different proteins- high molecular weight kininogen (HMWK) and low molecular weight kininogen (LMWK). HMWK is essential for blood coagulation and assembly of the kallikrein-kinin system. Also, bradykinin, a peptide causing numerous physiological effects, is released from HMWK. Bradykinin also functions as an antimicrobial peptide with antibacterial and antifungal activity. In contrast to HMWK, LMWK is not involved in blood coagulation. Three transcript variants encoding different isoforms have been found for this gene.[provided by RefSeq, Nov 2014],disease:Defects in KNG1 are the cause of high molecular weight kininogen deficiency (HMWK deficiency) [MIM:228960]. HMWK deficiency is an autosomal recessive coagulation defect. Patients with HWMK deficiency do not have a hemorrhagic tendency, but they exhibit abnormal surface-mediated activation of fibrinolysis.,function:(1) Kininogens are inhibitors of thiol proteases; (2) HMW-kininogen plays an important role in blood coagulation by helping to position optimally prekallikrein and factor XI next to factor XII; (3) HMW-kininogen inhibits the thrombin- and plasmin-induced aggregation of thrombocytes; (4) the active peptide bradykinin that is released from HMW-kininogen shows a variety of physiological effects: (4A) influence in smooth muscle contraction, (4B) induction of hypotension, (4C) natriuresis and diuresis, (4D) decrease in blood glucose level, (4E) it is a mediator of inflammation and causes (4E1) increase in vascular permeability, (4E2) stimulation of nociceptors (4E3) release of other mediators of inflammation (e.g. prostaglandins), (4F) it has a cardioprotective effect (directly via bradykinin action, indirectly via endothelium-derived relaxing factor action); (5) LMW-kininogen inhibits the aggregation of thrombocytes; (6) LMW-kininogen is in contrast to HMW-kininogen not involved in blood clotting.,online information:High molecular weight kininogen entry,polymorphism:The T-kinin peptide is missing residues 378 to 380, probably as a result of a naturally occurring variant. The complete sequence of the T-kinin peptide is therefore ISRPPGFSPFR. This peptide is associated with malignant tumors but not with benign ones.,PTM:Bradykinin is released from kininogen by plasma kallikrein.,PTM:Hydroxylation of Pro-383 occurs prior to the release of bradykinin.,similarity:Contains 3 cystatin domains.,tissue specificity:Plasma. T-kinin is detected in malignant ovarian, colon and breast carcinomas, but not in benign tumors.,

研究领域 (Research Area)

Complement and coagulation cascades;

图片 (Image Data)

产品名称: Cleaved-Kininogen-1 HC (K380) Rabbit Polyclonal
Antibody
产品货号: AP Rab09002



Western Blot analysis of 293 cells using Cleaved-Kininogen-1 HC (K380) Polyclonal Antibody

注意事项 (Note)

For research use only .