



Plasma Kallikrein LC (Cleaved-I391) rabbit pAb

Cat No.:ES20042

For research use only

Overview

Product Name	Plasma Kallikrein LC (Cleaved-I391) rabbit pAb
Host species	Rabbit
Applications	WB;ELISA;IHC
Species Cross-Reactivity	Human;Rat;Mouse;
Recommended dilutions	WB 1:500-2000;IHC-p 1:50-300; ELISA 2000-20000
Immunogen	Synthesized peptide derived from human Plasma Kallikrein LC (Cleaved-I391)
Specificity	This antibody detects endogenous levels of Human Cleaved-Plasma Kallikrein LC (I391, protein was cleaved amino acid sequence between 390-391)
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	Plasma Kallikrein LC (Cleaved-I391)
Gene Name	KLKB1 KLK3
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	28 70kD
Human Gene ID	3818
Human Swiss-Prot Number	P03952
Alternative Names	Plasma kallikrein (EC 3.4.21.34;Fletcher factor;Kininogenin;Plasma prekallikrein) [Cleaved into: Plasma kallikrein heavy chain; Plasma kallikrein light chain]
Background	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.,

Immunohistochemical analysis of paraffin-embedded human Gastric adenocarcinoma. 1, Antibody was diluted at 1:200(4° overnight). 2, Tris-EDTA,pH9.0 was used for antigen retrieval. 3,Secondary antibody was diluted at 1:200(room temperature, 45min).

