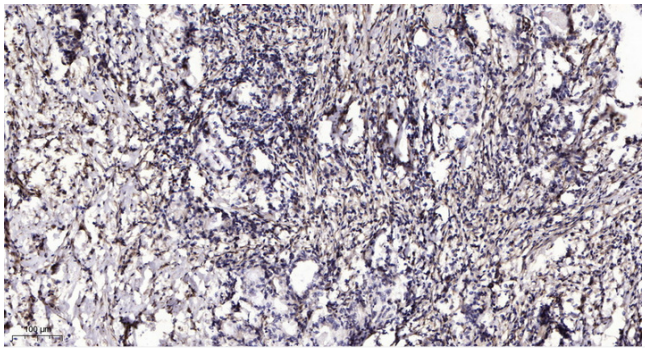
Plasma Kallikrein LC (Cleaved-I391) rabbit pAb

Catalog No	BYab-03366
Isotype	IgG
Reactivity	Human;Rat;Mouse;
Applications	WB;ELISA;IHC
Gene Name	KLKB1 KLK3
Protein Name	Plasma Kallikrein LC (Cleaved-I391)
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.
Source	Polyclonal, Rabbit,IgG
Purification	The antibody was affinity-purified from rabbit serum by affinity-chromatography using specific immunogen.
Dilution	WB 1:500-2000;IHC-p 1:50-300; ELISA 2000-20000
Concentration	1 mg/ml
Purity	≥90%
Storage Stability	-20°C/1 year
Synonyms	Plasma kallikrein (EC 3.4.21.34;Fletcher factor;Kininogenin;Plasma prekallikrein) [Cleaved into: Plasma kallikrein heavy chain; Plasma kallikrein light chain]
Observed Band	28 70kD
Cell Pathway	Secreted.
Tissue Specificity	
Function	kinin cascade, plasma kallikrein-kinin cascade, acute inflammatory response, Factor XII activation, regulation of acute inflammatory response, proteolysis, defense response, inflammatory response, blood coagulation, hemostasis,response to wounding, positive regulation of macromolecule metabolic process, regulation of protein maturation by peptide bond cleavage, positive regulation of protein maturation by peptide bond cleavage, protein processing,regulation of proteolysis, regulation of blood coagulation, negative regulation of blood coagulation, zymogen activation, plasminogen activation, regulation of response to external stimulus, regulation of cellular protein metabolic process, positive regulation of cellular protein metabolic process, wound healing, fibrinolysis, positive regulation

	of proteolysis, regulation of inflammatory response, coagulation, regulation of coagulation, negativ
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.,
matters needing attention	Avoid repeated freezing and thawing!
Usage suggestions	This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.

Products Images



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).