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Cleaved-Plasma Kallikrein HC (R390) Polyclonal Antibody

KLKB1. AA range:341-390 Specificity Cleaved-Plasma Kallikrein HC (R390) Polyclonal Antibody detects endogenous levels of fragment of activated Plasma Kallikrein HC protein resulting from cleavage adjacent to R390. 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 antiserum by affinity-chromatography using epitope-specific immunogen. Dilution WB: 1/500 - 1/2000. IHC: 1/100 - 1/300. ELISA: 1/10000 IF 1:50-200 Concentration 1 mg/ml Purity ≥90% Storage Stability -20°C/1 year Synonyms KLKB1; KLK3; Plasma kallikrein; Fletcher factor; Kininogenin; Plasma prekallikrein Observed Band 45kD Cell Pathway Secreted. Tissue Specificity Colon, Liver, Plasma, 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-arg-Ser bonds. It activates, in a reciprocal reaction, factor XII after its binding negatively charges in the renin-angiotensis system by converting prorein in renin, similarity:Belongs to the peptidases S1 family, similarity:Belongs to the peptidases S1 family, similarit		
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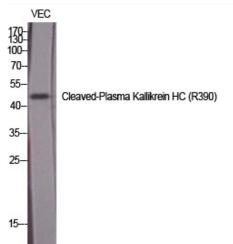
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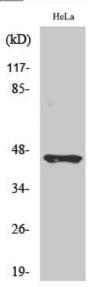
activated by factor XIIa, which cleaves t

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],
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.

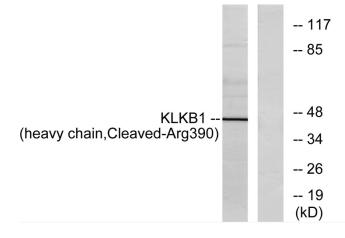
Products Images



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



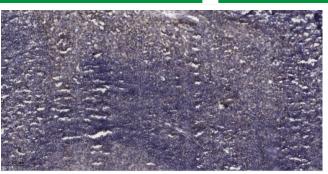
Western blot analysis of lysates from HeLa cells, using KLKB1 (heavy chain,Cleaved-Arg390) Antibody. The lane on the right is blocked with the synthesized peptide.



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Immunohistochemical analysis of paraffin-embedded human tonsil. 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, 30min).