

产品名称: Cleaved-Plasminogen HC A short form (V98)
Rabbit Polyclonal Antibody
产品货号: APRab09028



产品概述 (Summary)

产品名称 (Production Name)	Cleaved-Plasminogen HC A short form (V98) 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,Mouse,Rat

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)	PLG
别名 (Alternative Names)	PLG; Plasminogen
基因 ID (Gene ID)	5340.0
蛋白 ID (SwissProt ID)	P00747.The antiserum was produced against synthesized peptide derived from human PLMN. AA range:79-128

产品应用 (Application)

稀释比 (Dilution Ratio)	WB 1:500-1:2000,ELISA 1:5000-1:20000
蛋白分子量 (Molecular Weight)	54kDa

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研究背景 (Background)

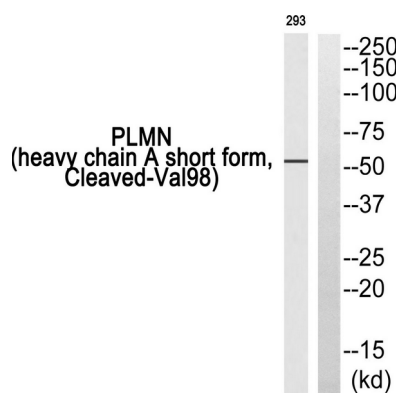
The protein encoded by this gene is a secreted blood zymogen that is activated by proteolysis and converted to plasmin and angiostatin. Plasmin dissolves fibrin in blood clots and is an important protease in many other cellular processes while angiostatin inhibits angiogenesis. Defects in this gene are likely a cause of thrombophilia and ligneous conjunctivitis. Two transcript variants encoding different isoforms have been found for this gene.[provided by RefSeq, Dec 2009],catalytic activity:Preferential cleavage: Lys-|-Xaa > Arg-|-Xaa; higher selectivity than trypsin. Converts fibrin into soluble products.,disease:Defects in PLG are a cause of thrombophilia [MIM:188050]; a form of recurrent thrombosis.,disease:Defects in PLG may be associated with ligneous conjunctivitis [MIM:217090]. Ligneous conjunctivitis is an unusual and rare form of chronic conjunctivitis, characterized by chronic tearing and redness of the conjunctivae. Initially, pseudomembranes form on the palpebral surfaces which then progress to thick nodular masses that replace the normal mucosa. Because the pseudomembranes have a woodlike consistency, the disease is termed "ligneous" conjunctivitis. The disease may be associated with pseudomembranous lesions of other mucous membranes in the mouth, nasopharynx, trachea, and female genital tract.,domain:Kring domains mediate interaction with CSPG4.,enzyme regulation:Converted into plasmin by plasminogen activators, both plasminogen and its activator being bound to fibrin. Activated with catalytic amounts of streptokinase.,function:Angiostatin is an angiogenesis inhibitor that blocks neovascularization and growth of experimental primary and metastatic tumors in vivo.,function:Plasmin dissolves the fibrin of blood clots and acts as a proteolytic factor in a variety of other processes including embryonic development, tissue remodeling, tumor invasion, and inflammation; in ovulation it weakens the walls of the Graafian follicle. It activates the urokinase-type plasminogen activator, collagenases and several complement zymogens, such as C1 and C5. It cleaves fibrin, fibronectin, thrombospondin, laminin and von Willebrand factor. Its role in tissue remodeling and tumor invasion may be modulated by CSPG4.,miscellaneous:Plasmin is inactivated by alpha-2-antiplasmin immediately after dissociation from the clot.,online information:Plasmin entry,PTM:In the presence of the inhibitor, the activation involves only cleavage after Arg-580, yielding two chains held together by two disulfide bonds. In the absence of the inhibitor, the activation involves additionally the removal of the activation peptide.,PTM:N-linked glycan contains N-acetyllactosamine and sialic acid. O-linked glycans consist of Gal-GalNAc disaccharide modified with up to 2 sialic acid residues (microheterogeneity),similarity:Belongs to the peptidase S1 family.,similarity:Belongs to the peptidase S1 family. Plasminogen subfamily.,similarity:Contains 1 PAN domain.,similarity:Contains 1 peptidase S1 domain.,similarity:Contains 5 kring domains.,subunit:Interacts with AMOT and CSPG4 (also true for angiostatin),tissue specificity:Present in plasma and many other extracellular fluids. It is synthesized in the liver,.

研究领域 (Research Area)

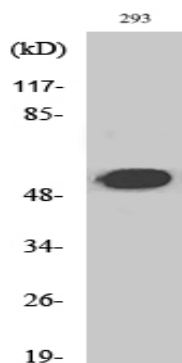
Neuroactive ligand-receptor interaction;Complement and coagulation cascades;

图片 (Image Data)

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Western blot analysis of PLMN (heavy chain A short form, Cleaved-Val98) Antibody. The lane on the right is blocked with the PLMN (heavy chain A short form, Cleaved-Val98) peptide.



Western Blot analysis of various cells using Cleaved-Plasminogen HC A short form (V98) Polyclonal Antibody

注意事项 (Note)

For research use only .