Best Tools for immunology Research

FA7 (light chain, Cleaved-Ala61) rabbit pAb

Catalog No :	YC0158
Reactivity :	Human;Rat;Mouse;
Applications :	WB;ELISA
Target :	FA7
Fields :	>>Complement and coagulation cascades
Gene Name :	F7
Protein Name :	FA7 (light chain, Cleaved-Ala61)
Human Gene Id :	2155
Human Swiss Prot No :	P08709
Mouse Gene Id :	14068
Mouse Swiss Prot No :	P70375
Rat Gene Id :	260320
Rat Swiss Prot No :	Q8K3U6
Immunogen :	Synthesized peptide derived from human FA7 (light chain, Cleaved-Ala61)
Specificity :	This antibody detects endogenous levels of Human FA7 (light chain, Cleaved-Ala61, protein was cleaved amino acid sequence between 60-61)
Formulation :	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Source :	Polyclonal, Rabbit,IgG
Dilution :	WB 1:1000-2000 ELISA 1:5000-20000

Purification : The antibody was affinity-purified from rabbit serum by affinity-chromatography using specific immunogen.

Concentration : 1 mg/ml

Storage Stability : -15°C to -25°C/1 year(Do not lower than -25°C)

Observed Band : 17kD(light chain) 51kD(full length) 44kD (mature chain)

Background : catalytic activity:Selective cleavage of Arg-|-Ile bond in factor X to form factor Xa.,disease:Defects in F7 are the cause of factor VII deficiency [MIM:227500]. Factor VII deficiency is a rare hereditary hemorrhagic disease. The clinical picture can be very severe, with the early occurrence of intracerebral hemorrhages or hemarthroses, or, in contrast, moderate with cutaneous-mucosal hemorrhages (epistaxis, menorrhagia) or hemorrhages provoked by a surgical intervention. Numerous subjects are completely asymptomatic despite a very low F7 level.,function:Initiates the extrinsic pathway of blood coagulation. Serine protease that circulates in the blood in a zymogen form. Factor VII is converted to factor VIIa by factor Xa, factor XIIa, factor IXa, or thrombin by minor proteolysis. In the presence of tissue factor and calcium ions, factor VIIa then converts factor X to factor Xa by limited proteolysis. Factor VIIa will also convert factor IX to factor IXa in the presence of tissue factor and calcium.,online information:Factor VII entry,online information:The Singapore human mutation and polymorphism database,pharmaceutical:Available under the names Niastase or Novoseven (Novo Nordisk). Used for the treatment of bleeding episodes in hemophilia A or B patients with antibodies to coagulation factors VIII or IX.,polymorphism:Individuals with the Q allele (Gln-413) seems to have a decreased susceptibility to myocardial infarction.,PTM:The iron and 2-oxoglutarate dependent 3-hydroxylation of aspartate and asparagine is (R) stereospecific within EGF domains.,PTM:The vitamin K-dependent, enzymatic carboxylation of some glutamate residues allows the modified protein to bind calcium.,similarity:Belongs to the peptidase S1 family.,similarity:Contains 1 Gla (gamma-carboxy-glutamate) domain.,similarity:Contains 1 peptidase S1 domain.,similarity:Contains 2 EGF-like domains.,subunit:Heterodimer of a light chain and a heavy chain linked by a disulfide bond.,tissue specificity:Plasma.,

Function : positive regulation of immune system process, regulation of leukocyte migration, positive regulation of leukocyte migration, regulation of leukocyte chemotaxis, positive regulation of leukocyte chemotaxis, proteolysis, anti-apoptosis,blood coagulation, blood coagulation, extrinsic pathway, hemostasis, response to wounding, positive regulation of signal transduction, regulation of protein kinase cascade, regulation of platelet-derived growth factor receptor signaling pathway, positive regulation of platelet-derived growth factor receptor signaling pathway, positive regulation of cell communication, positive regulation of protein kinase cascade, regulation of cell death, regulation of cell migration, positive regulation of cell migration, regulation of response to external stimulus, positive regulation of response to external stimulus, regulation of locomotion, positive regulation of locom

Subcellular Location :	Secreted.
Expression :	Plasma.
Sort :	5863
No4 :	1
Host :	Rabbit
Modifications :	Unmodified

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