

# Cleaved Factor VII LC (Arg212) Rabbit pAb

CatalogNo: YC0081 Orthogonal Validated 

## Key Features

### Host Species

- Rabbit

### Reactivity

- Human,Rat,Mouse,

### Applications

- WB,IHC,IF,ELISA

### MW

- 17kD (Observed)

### Isotype

- IgG

## Recommended Dilution Ratios

**WB 1:500-1:2000****IHC 1:100-1:300****ELISA 1:20000****IF 1:50-200**

## Storage

**Storage\*** -15°C to -25°C/1 year(Do not lower than -25°C)**Formulation** Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.

## Basic Information

**Clonality** Polyclonal

## Immunogen Information

**Immunogen** The antiserum was produced against synthesized peptide derived from human FA7. AA range:171-220**Specificity** Cleaved-Factor VII LC (R212) Polyclonal Antibody detects endogenous levels of fragment of activated Factor VII LC protein resulting from cleavage adjacent to R212.

## Target Information

**Gene name** F7

**Protein Name** Coagulation factor VII

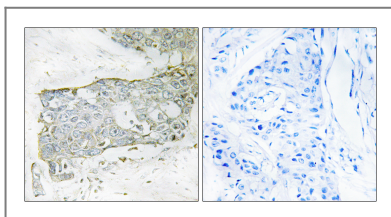
Organism	Gene ID	UniProt ID
Human	<a href="#">2155</a> ;	<a href="#">P08709</a> ;
Mouse		<a href="#">P70375</a> ;

**Cellular Localization** Secreted.

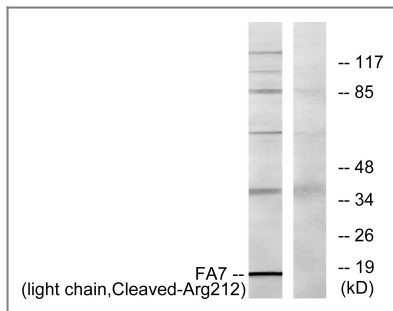
**Tissue specificity** Plasma.

**Function** 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.

## Validation Data



Immunohistochemistry analysis of paraffin-embedded human breast carcinoma tissue, using FA7 (light chain, Cleaved-Arg212) Antibody. The picture on the right is blocked with the synthesized peptide.



Western blot analysis of lysates from Jurkat cells, treated with eto 25uM 24h, using FA7 (light chain, Cleaved-Arg212) Antibody. The lane on the right is blocked with the synthesized peptide.

## Contact information

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Please scan the QR code to access additional product information:  
**Cleaved Factor VII  
LC (Arg212) Rabbit  
pAb**

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