

## FA12(heavy chain,Cleaved-Ile20)polyclonal antibody

Catalog: BS65134

Host: Rabbit

Reactivity: Human

### BackGround:

coagulation factor XII(F12) Homo sapiens This gene encodes coagulation factor XII which circulates in blood as a zymogen. This single chain zymogen is converted to a two-chain serine protease with an heavy chain (alpha-factor XIIIa) and a light chain. The heavy chain contains two fibronectin-type domains, two epidermal growth factor (EGF)-like domains, a kringle domain and a proline-rich domain, whereas the light chain contains only a catalytic domain. On activation, further cleavages takes place in the heavy chain, resulting in the production of beta-factor XIIIa light chain and the alpha-factor XIIIa light chain becomes beta-factor XIIIa heavy chain. Prekallikrein is cleaved by factor XII to form kallikrein, which then cleaves factor XII first to alpha-factor XIIIa and then to beta-factor XIIIa. The active factor XIIIa participates in the initiation of blood coagulation, fibrinolysis, and the generation of bradykinin and angiotensin. It activates

### Product:

Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.

### Molecular Weight:

~ 41 kDa

### Swiss-Prot:

P00748

### Purification&Purity:

The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.

### Applications:

Western Blot: 1/500 - 1/2000. Immunohistochemistry: 1/100 - 1/300. ELISA: 1/20000. Not yet tested in other applications.

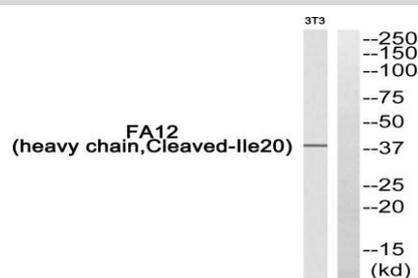
### Storage&Stability:

Store at 4 °C short term. Aliquot and store at -20 °C long term. Avoid freeze-thaw cycles.

### Specificity:

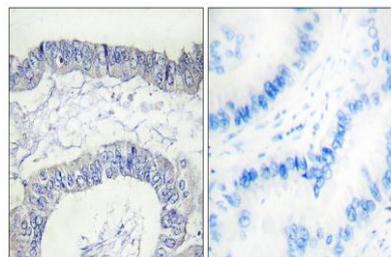
Cleaved-Factor XII HC (I20) Polyclonal Antibody detects endogenous levels of fragment of activated Factor XII HC protein resulting from cleavage adjacent to I20.

### DATA:



Western blot analysis of FA12 (heavy chain, Cleaved-Ile20) Antibody.

The lane on the right is blocked with the FA12 (heavy chain, Cleaved-Ile20) peptide.



Immunohistochemistry analysis of paraffin-embedded human lung carcinoma, using FA12 (heavy chain, Cleaved-Ile20) Antibody. The lane on the right is blocked with the FA12 (heavy chain, Cleaved-Ile20) peptide.

### Note:

For research use only, not for use in diagnostic procedure.

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