

## Factor XII Rabbit pAb

db5910

Package : 20µL 50µL 100µL

**Product Name** : Factor XII Rabbit pAb**Cat.No.:** db5910**Synonyms** : HAF; HAE3; HAEX**Application** : WB, IP**Reactivity** : Human**Host species** : Rabbit**Background**

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 XIIa) 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 XIIa light chain and the alpha-factor XIIa light chain becomes beta-factor XIIa heavy chain. Prekallikrein is cleaved by factor XII to form kallikrein, which then cleaves factor XII first to alpha-factor XIIa and then to beta-factor XIIa. The active factor XIIa participates in the initiation of blood coagulation, fibrinolysis, and the generation of bradykinin and angiotensin. It activates coagulation factors VII and XI. Defects in this gene do not cause any clinical symptoms and the sole effect is that whole-blood clotting time is prolonged. [provided by RefSeq, Jul 2008]

**Immunogen**

Recombinant protein of human Factor XII

**Gene ID**

2161

**Swiss Prot**

P00748

**Synonyms**

HAF; HAE3; HAEX

**Reactivity**

Human

**Application**

WB, IP

**Recommended dilution**WB: 1:1000  
IP: 1:20**Calculated MW**

68 kDa

**Observed MW**

80 kDa

**Host species**

Rabbit

**Clonality**

Polyclonal

<b>Isotype</b>	IgG
<b>Purity</b>	Affinity Purification
<b>Conjugation</b>	Un-conjugated
<b>Storage Stability</b>	Store at -20°C. Supplied in 50mM Tris-Glycine(pH 7.4), 0.15M NaCl, 40% Glycerol, 0.01% sodium azide and 0.05% BSA. Stable for 12 months from date of receipt.