

Factor XII HC Antibody

Purified Rabbit Polyclonal Antibody (Pab)

Catalog # AP51202

Product Information

Application	WB
Primary Accession	P00748
Reactivity	Human, Mouse, Rat
Host	Rabbit
Clonality	Polyclonal
Calculated MW	67792

Additional Information

Gene ID	2161
Other Names	Coagulation factor XII, Hageman factor, HAF, Coagulation factor XIIa heavy chain, Beta-factor XIIa part 1, Beta-factor XIIa part 2, Coagulation factor XIIa light chain, F12
Target/Specificity	KLH-conjugated synthetic peptide encompassing a sequence within the center region of human Factor XII HC. The exact sequence is proprietary.
Dilution	WB~~1:1000
Format	0.01M PBS, pH 7.2, 0.09% (W/V) Sodium azide, Glycerol 50%
Storage	Store at -20 °C.Stable for 12 months from date of receipt

Protein Information

Name	F12
Function	Factor XII is a serum glycoprotein that participates in the initiation of blood coagulation, fibrinolysis, and the generation of bradykinin and angiotensin. Prekallikrein is cleaved by factor XII to form kallikrein, which then cleaves factor XII first to alpha-factor XIIa and then trypsin cleaves it to beta-factor XIIa. Alpha-factor XIIa activates factor XI to factor XIa (PubMed: 2019570 , PubMed: 21304106 , PubMed: 8427954).
Cellular Location	Secreted.

Background

Factor XII is a serum glycoprotein that participates in the initiation of blood coagulation, fibrinolysis, and

the generation of bradykinin and angiotensin. Prekallikrein is cleaved by factor XII to form kallikrein, which then cleaves factor XII first to alpha-factor XIIa and then trypsin cleaves it to beta- factor XIIa. Alpha-factor XIIa activates factor XI to factor XIa.

References

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Schmutz J.,et al.Nature 431:268-274(2004).
Tripodi M.,et al.Nucleic Acids Res. 14:3146-3146(1986).
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Que B.G.,et al.Biochemistry 25:1525-1528(1986).

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