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Anti-Factor XII HC Antibody

Catalog # AP51202

Product Information

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

Additional Information

Gene ID	2161
Other Names	Coagulation factor XII; Hageman factor; HAF
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~~WB (1/500 - 1/1000)
Format	Liquid in 0.42% Potassium phosphate, 0.87% Sodium chloride, pH 7.3, 30% glycerol, and 0.01% sodium azide.
Storage	Store at -20 °C.Stable for 12 months from date of receipt

Protein Information

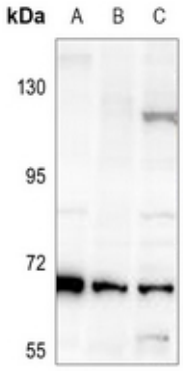
Name	F12
Function	Factor XII is a serum glycoprotein that participates in the initiation of blood coagulation, fibrinolysis, and the generation of bradykinin and angiotensin. Prekallikrein is cleaved by factor XII to form kallikrein, which then cleaves factor XII first to alpha-factor XIIa and then trypsin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

References

Cool D.E.,et al.J. Biol. Chem. 262:13662-13673(1987).
Schmutz J.,et al.Nature 431:268-274(2004).
Tripodi M.,et al.Nucleic Acids Res. 14:3146-3146(1986).

Cool D.E.,et al.J. Biol. Chem. 260:13666-13676(1985).
Que B.G.,et al.Biochemistry 25:1525-1528(1986).

Images



Western blot analysis of Factor XII HC expression in SYSY5Y (A), THP1 (B), HepG2 (C) whole cell lysates. (Predicted band size: 67 kD; Observed band size: 67 kD)

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.