

For Research Use Only

Factor XII Polyclonal antibody

Catalog Number: 27154-1-AP



Basic Information

Catalog Number:	BC012390	GenBank Accession Number:	Purification Method:
Size:	2161	GenID (NCBI):	Antigen affinity purification
150ul , Concentration: 800 ug/ml by Nanodrop and 367 ug/ml by Bradford method using BSA as the standard;	P00748	UNIPROT ID:	Recommended Dilutions:
Source:	coagulation factor XII (Hageman factor)	Full Name:	WB 1:1000-1:3000
Rabbit	615 aa, 68 kDa	Calculated MW:	IHC 1:50-1:500
Isotype:	Observed MW:	80 kDa and 52 kDa	
IgG			
Immunogen Catalog Number:			
AG25912			

Applications

Tested Applications:	Positive Controls:
WB, IHC, ELISA	WB : human plasma tissue, K-562 cells, HepG2 cells, Jurkat cells
Species Specificity:	IHC : human liver tissue,
human	

Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0

Background Information

Factor XII (F XII, Hageman factor) is a 80kD, single chain glycoprotein that circulates in blood as an inactive zymogen. F XII plays an important role in blood coagulation, fibrinolysis, and kinin generation. Factor XII is activated by kallikrein in alpha-factor XIIa, which is further converted by trypsin into beta-factor XIIa. Alpha-factor XIIa is composed of a 52 kDa NH2-terminal heavy chain, called coagulation factor XIIa heavy chain, and a 28 kDa COOH-terminal light chain, called coagulation factor XIIa light chain, connected by a disulfide bond. Beta-factor XIIa is composed of 2 chains linked by a disulfide bond, an N-terminal nonapeptide, called beta-factor XIIa part 1, and coagulation factor XIIa light chain, also known in this context as beta-factor XIIa part 2.

Storage

Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

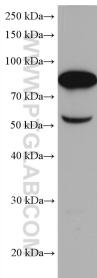
*** 20ul sizes contain 0.1% BSA

For technical support and original validation data for this product please contact:
T: 1(888) 4PTGLAB (1-888-478-4522) (toll free
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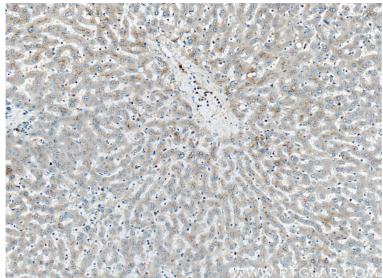
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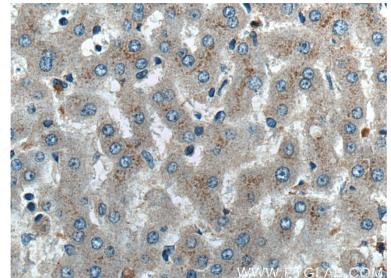
Selected Validation Data



human plasma were subjected to SDS PAGE followed by western blot with 27154-1-AP (F12 antibody) at dilution of 1:2000 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded human liver tissue slide using 27154-1-AP (F12 antibody) at dilution of 1:200 (under 10x lens).



Immunohistochemical analysis of paraffin-embedded human liver tissue slide using 27154-1-AP (F12 antibody) at dilution of 1:200 (under 40x lens).