

For Research Use Only

# Factor XII Monoclonal antibody, PBS Only



Catalog Number: 66089-1-PBS

## Basic Information

Catalog Number:

66089-1-PBS

Size:

1 mg/ml

Source:

Mouse

Isotype:

IgG2b

Immunogen Catalog Number:

AG3401

GenBank Accession Number:

BC012390

GeneID (NCBI):

2161

UNIPROT ID:

P00748

Full Name:

coagulation factor XII (Hageman factor)

Calculated MW:

615 aa, 68 kDa

Observed MW:

28 kDa

Purification Method:

Protein A purification

CloneNo.:

2E2F11

## Applications

Tested Applications:

WB, Indirect ELISA, IHC, IF

Species Specificity:

human, mouse

## Background Information

Factor XII (F XII, Hageman factor) is a 80 kDa, 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 NH<sub>2</sub>-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 -80°C.

Storage Buffer:

PBS Only

For technical support and original validation data for this product please contact:

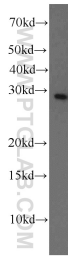
T: 4006900926

E: [Proteintech-CN@ptglab.com](mailto:Proteintech-CN@ptglab.com)

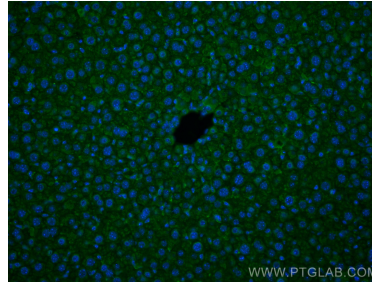
W: [ptgcn.com](http://ptgcn.com)

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

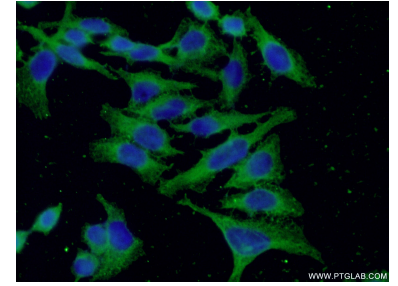
## Selected Validation Data



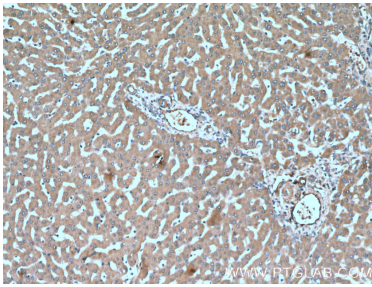
K-562 cells were subjected to SDS PAGE followed by western blot with 66089-1-Ig (Factor XII antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 66089-1-PBS in a different storage buffer formulation.



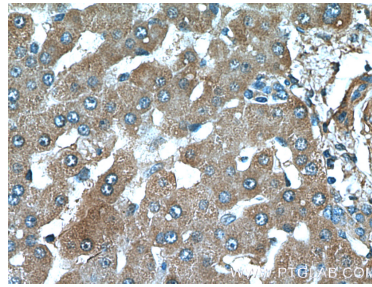
Immunofluorescent analysis of (4% PFA) fixed mouse liver tissue using Factor XII antibody (66089-1-Ig, Clone: 2E2F11 ) at dilution of 1:400 and CoraLite®488-Conjugated AffiniPure Goat Anti-Mouse IgG(H+L). This data was developed using the same antibody clone with 66089-1-PBS in a different storage buffer formulation.



Immunofluorescent analysis of (-20°C Ethanol ) fixed HepG2 cells using 66089-1-Ig(Factor XII antibody) at dilution of 1:100 and Alexa Fluor 488-conjugated AffiniPure Goat Anti-Mouse IgG(H+L). This data was developed using the same antibody clone with 66089-1-PBS in a different storage buffer formulation.



Immunohistochemical analysis of paraffin-embedded human liver tissue slide using 66089-1-Ig (Factor XII antibody at dilution of 1:200 (under 10x lens). This data was developed using the same antibody clone with 66089-1-PBS in a different storage buffer formulation.



Immunohistochemical analysis of paraffin-embedded human liver tissue slide using 66089-1-Ig (Factor XII antibody at dilution of 1:200 (under 40x lens). This data was developed using the same antibody clone with 66089-1-PBS in a different storage buffer formulation.