

For Research Use Only

# Fibrinogen Gamma Chain Monoclonal antibody

Catalog Number: 66158-1-Ig **2 Publications**



## Basic Information

<b>Catalog Number:</b> 66158-1-Ig	<b>GenBank Accession Number:</b> BC007044	<b>Purification Method:</b> Thiophilic affinity chromatograph
<b>Size:</b> 150ul , Concentration: 1200 ug/ml by Bradford method using BSA as the standard;	<b>GeneID (NCBI):</b> 2266	<b>CloneNo.:</b> 2B2B8
<b>Source:</b> Mouse	<b>UNIPROT ID:</b> P02679	<b>Recommended Dilutions:</b> WB 1:5000-1:50000 IHC 1:1000-1:4000 IF/ICC 1:20-1:200
<b>Isotype:</b> IgM	<b>Full Name:</b> fibrinogen gamma chain	
<b>Immunogen Catalog Number:</b> AG8817	<b>Calculated MW:</b> 453aa,52 kDa; 437aa,50 kDa	
	<b>Observed MW:</b> 52 kDa	

## Applications

<b>Tested Applications:</b> WB, IHC, IF/ICC, ELISA	<b>Positive Controls:</b> WB : human peripheral blood leukocyte, L02 cells, human peripheral blood platelets IHC : human liver cancer tissue, human kidney tissue IF/ICC : L02 cells,
<b>Cited Applications:</b> IHC	
<b>Species Specificity:</b> human	
<b>Cited Species:</b> 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

Fibrinogen is a soluble plasma glycoprotein synthesized in the liver. It is composed of two sets of three structurally different subunits: alpha (FGA), beta (FGB), gamma (FGG). Fibrinogen is converted by thrombin into fibrin during blood coagulation. Fibrinogen and fibrin play overlapping roles in blood clotting, fibrinolysis, cellular and matrix interactions, the inflammatory response, wound healing, and neoplasia (PMID: 16102057). FGG is the gamma chain of fibrinogen. Mutations in the gene of FGG lead to several disorders, including dysfibrinogenemia, hypofibrinogenemia and thrombophilia.

## Notable Publications

Author	Pubmed ID	Journal	Application
Fanfan Li	30959404	Mol Ther Nucleic Acids	
H H Peng	33995485	Front Genet	IHC

## Storage

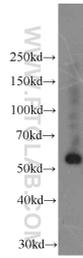
**Storage:**  
Store at -20°C. Stable for one year after shipment.  
**Storage Buffer:**  
PBS with 0.02% sodium azide and 50% glycerol, pH7.3  
Aliquoting is unnecessary for -20°C storage

\*\*\* 20ul sizes contain 0.1% BSA

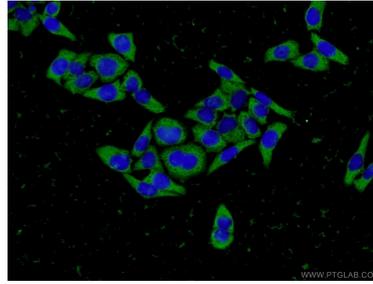
For technical support and original validation data for this product please contact:  
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)  
E: proteintech@ptglab.com  
W: ptglab.com

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

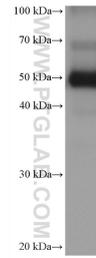
## Selected Validation Data



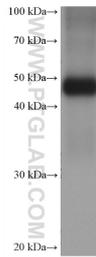
L02 cells were subjected to SDS PAGE followed by western blot with 66158-1-Ig (Fibrinogen gamma chain antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours.



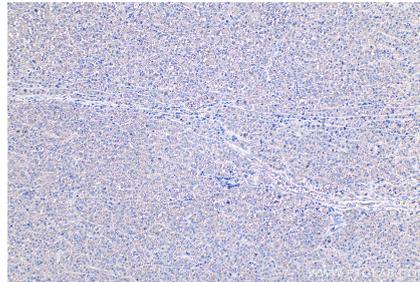
Immunofluorescent analysis of L02 cells using 66158-1-Ig (Fibrinogen gamma chain antibody) at dilution of 1:50 and Alexa Fluor 488-conjugated AffiniPure Goat Anti-Mouse IgG (H+L).



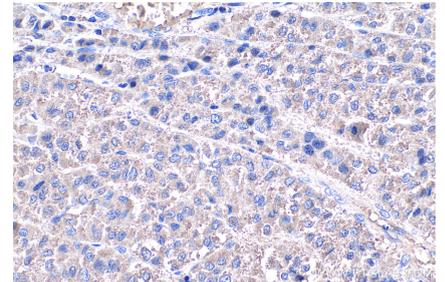
human peripheral blood Leukocyte were subjected to SDS PAGE followed by western blot with 66158-1-Ig (Fibrinogen Gamma Chain antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours.



human peripheral blood platelets were subjected to SDS PAGE followed by western blot with 66158-1-Ig (Fibrinogen Gamma Chain antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded human liver cancer tissue slide using 66158-1-Ig (Fibrinogen Gamma Chain antibody) at dilution of 1:2000 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded human liver cancer tissue slide using 66158-1-Ig (Fibrinogen Gamma Chain antibody) at dilution of 1:2000 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).