

For Research Use Only

# Fibrinogen Gamma Chain Polyclonal antibody

Catalog Number: 15841-1-AP

Featured Product

18 Publications



## Basic Information

### Catalog Number:

15841-1-AP

### Size:

150ul, Concentration: 500 ug/ml by Nanodrop;

### Source:

Rabbit

### Isotype:

IgG

### Immunogen Catalog Number:

AG8597

### GenBank Accession Number:

BC007044

### GeneID (NCBI):

2266

### UNIPROT ID:

P02679

### Full Name:

fibrinogen gamma chain

### Calculated MW:

453aa, 52 kDa; 437aa, 50 kDa

### Observed MW:

52 kDa

### Purification Method:

Antigen affinity purification

### Recommended Dilutions:

WB 1:1000-1:6000

IHC 1:200-1:1000

## Applications

### Tested Applications:

WB, IHC, ELISA

### Cited Applications:

WB, IHC, IF

### Species Specificity:

human, mouse, rat

### Cited Species:

human, mouse, rat

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

### Positive Controls:

**WB** : HepG2 cells, human liver tissue, human spleen tissue, mouse liver tissue, mouse spleen tissue, rat spleen tissue

**IHC** : human hepatocirrhosis tissue,

## 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
Fei Yao	36163271	Inflamm Regen	IF
L G Poole	30415489	J Thromb Haemost	
Eugene V Golanov	31191233	Front Neurosci	WB,IHC,IF

## 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

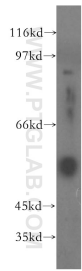
For technical support and original validation data for this product please contact:

T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)

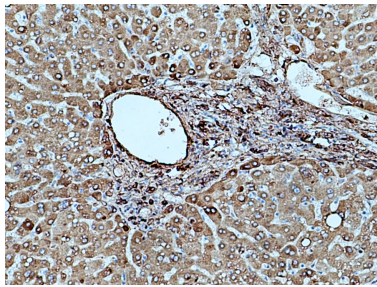
E: [proteintech@ptglab.com](mailto:proteintech@ptglab.com)  
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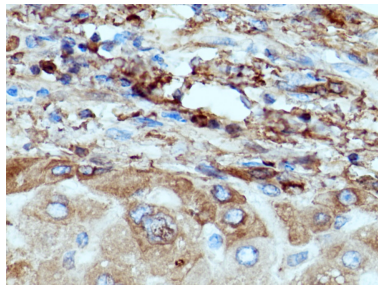
Selected Validation Data



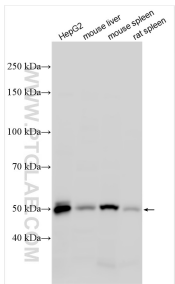
human spleen tissue were subjected to SDS PAGE followed by western blot with 15841-1-AP (Fibrinogen gamma chain antibody) at dilution of 1:400 incubated at room temperature for 1.5 hours.



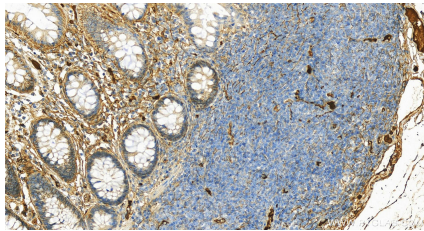
Immunohistochemical analysis of paraffin-embedded human hepatocirrhosis tissue slide using 15841-1-AP (Fibrinogen gamma chain antibody) at dilution of 1:200 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded human hepatocirrhosis tissue slide using 15841-1-AP (Fibrinogen gamma chain antibody) at dilution of 1:200 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Various lysates were subjected to SDS PAGE followed by western blot with 15841-1-AP (Fibrinogen Gamma Chain antibody) at dilution of 1:3000 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded human normal colon slide using 15841-1-AP (Fibrinogen Gamma Chain antibody) at dilution of 1:600 (under 20x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).