

# Fibrinogen Alpha Chain Polyclonal antibody

Catalog Number: 20645-1-AP

Featured Product

8 Publications

## Basic Information

## Catalog Number:

20645-1-AP

## Size:

150ul, Concentration: 400 µg/ml by Nanodrop;

## Source:

Rabbit

## Isotype:

IgG

## Immunogen Catalog Number:

AG9567

## GenBank Accession Number:

BC020764

## GeneID (NCBI):

2243

## UNIPROT ID:

P02671

## Full Name:

fibrinogen alpha chain

## Calculated MW:

866 aa, 95 kDa

## Observed MW:

60 kDa

## Purification Method:

Antigen affinity purification

## Recommended Dilutions:

WB 1:500-1:3000

IHC 1:500-1:2000

## Applications

## Tested Applications:

WB, IHC, ELISA

## Cited Applications:

WB, IP, IF, IHC

## Species Specificity:

human, mouse

## Cited Species:

human, mouse

**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 : mouse liver tissue,

IHC : human liver cancer tissue, human colon tissue, human lung cancer 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). FGA is the alpha chain of fibrinogen. During conversion of fibrinogen to fibrin, fibrinopeptide A is cleaved from FGA by thrombin.

## Notable Publications

Author	Pubmed ID	Journal	Application
Di-Wei Zheng	32999289	Nat Commun	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

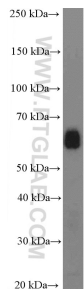
For technical support and original validation data for this product please contact:

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

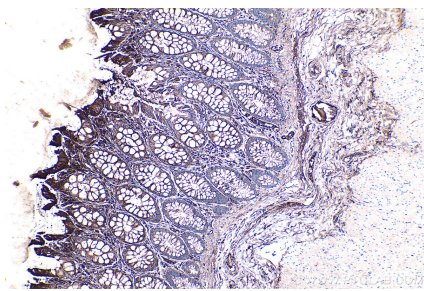
E: [proteintech@ptglab.com](mailto:proteintech@ptglab.com)  
W: [ptglab.com](http://ptglab.com)

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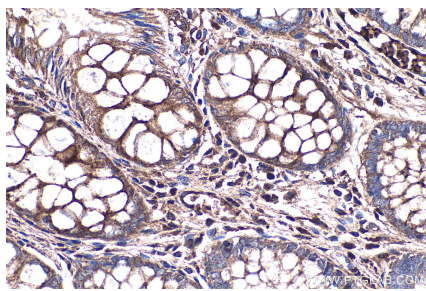
Selected Validation Data



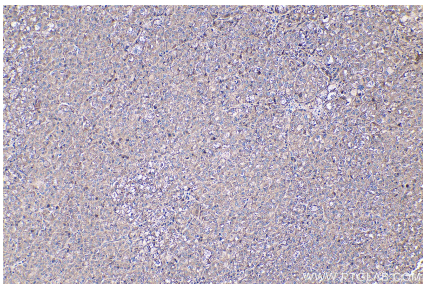
mouse liver tissue were subjected to SDS PAGE followed by western blot with 20645-1-AP (Fibrinogen alpha chain antibody) at dilution of 1:1500 incubated at room temperature for 1.5 hours.



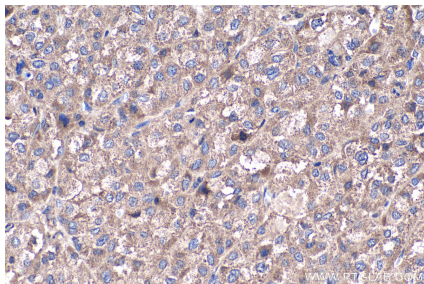
Immunohistochemical analysis of paraffin-embedded human colon tissue slide using 20645-1-AP (Fibrinogen Alpha Chain antibody) at dilution of 1:1000 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



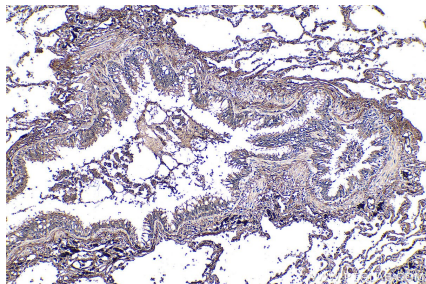
Immunohistochemical analysis of paraffin-embedded human colon tissue slide using 20645-1-AP (Fibrinogen Alpha Chain antibody) at dilution of 1:1000 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



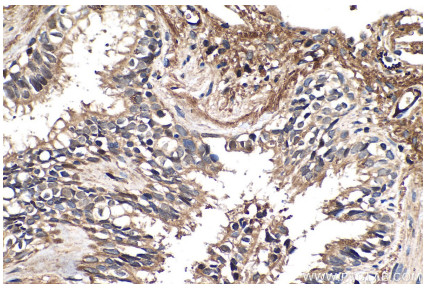
Immunohistochemical analysis of paraffin-embedded human liver cancer tissue slide using 20645-1-AP (Fibrinogen Alpha Chain antibody) at dilution of 1:1000 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded human liver cancer tissue slide using 20645-1-AP (Fibrinogen Alpha Chain antibody) at dilution of 1:1000 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded human lung cancer tissue slide using 20645-1-AP (Fibrinogen Alpha Chain antibody) at dilution of 1:1000 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded human lung cancer tissue slide using 20645-1-AP (Fibrinogen Alpha Chain antibody) at dilution of 1:1000 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).