

For Research Use Only

# PROC Polyclonal antibody

Catalog Number: 25382-1-AP

1 Publications



## Basic Information

### Catalog Number:

25382-1-AP

### Size:

150ul, Concentration: 550 ug/ml by Nanodrop and 340 ug/ml by Bradford method using BSA as the standard;

### Source:

Rabbit

### Isotype:

IgG

### Immunogen Catalog Number:

AG11328

### GenBank Accession Number:

BC034377

### GeneID (NCBI):

5624

### UNIPROT ID:

P04070

### Full Name:

protein C (inactivator of coagulation factors Va and VIIIa)

### Calculated MW:

461 aa, 52 kDa

### Observed MW:

52 kDa

### Purification Method:

Antigen affinity purification

### Recommended Dilutions:

WB 1:500-1:2000

IHC 1:50-1:500

IF/ICC 1:50-1:500

## Applications

### Tested Applications:

WB, IHC, IF/ICC, ELISA

### Cited Applications:

IHC

### Species Specificity:

human, mouse

### Cited Species:

human

### Positive Controls:

WB: mouse liver tissue,

IHC: human liver tissue,

IF/ICC: HeLa cells,

**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

PROC belongs to the peptidase S1 family. PROC is a vitamin K-dependent serine protease that regulates blood coagulation by inactivating factors Va and VIIIa in the presence of calcium ions and phospholipids (PMID:25618265). It exerts a protective effect on the endothelial cell barrier function (PMID:25651845).

## Notable Publications

Author	Pubmed ID	Journal	Application
Jingyao Chen	37274740	Front Cell Dev Biol	IHC

## 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

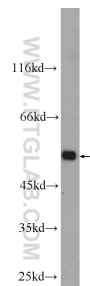
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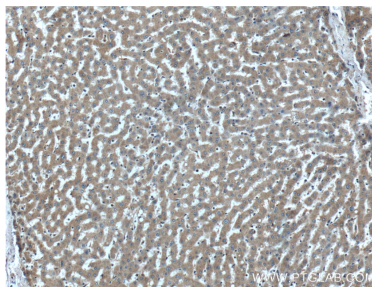
E: [proteintech@ptglab.com](mailto:proteintech@ptglab.com)  
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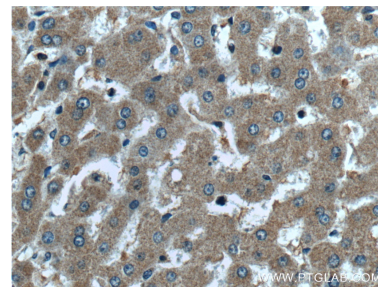
## Selected Validation Data



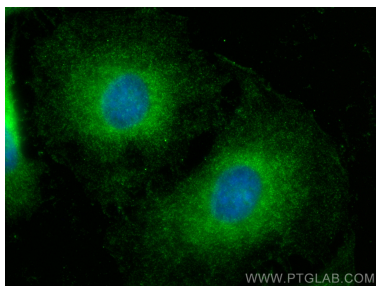
mouse liver tissue were subjected to SDS PAGE followed by western blot with 25382-1-AP (PROC Antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded human liver tissue slide using 25382-1-AP (PROC Antibody) at dilution of 1:200 (under 10x lens).



Immunohistochemical analysis of paraffin-embedded human liver tissue slide using 25382-1-AP (PROC Antibody) at dilution of 1:200 (under 40x lens).



Immunofluorescent analysis of (-20°C Ethanol) fixed HeLa cells using PROC antibody (25382-1-AP) at dilution of 1:200 and Multi-rAb CoraLite® Plus 488-Goat Anti-Rabbit Recombinant Secondary Antibody (H+L) (RGAR002).