

For Research Use Only

PROC Polyclonal antibody

Catalog Number: 25382-1-AP

1 Publications



Basic Information

Catalog Number: 25382-1-AP	GenBank Accession Number: BC034377	Purification Method: Antigen affinity purification
Size: 150ul, Concentration: 550 ug/ml by Nanodrop and 340 ug/ml by Bradford method using BSA as the standard;	GeneID (NCBI): 5624	Recommended Dilutions: WB 1:500-1:2000 IHC 1:50-1:500 IF/ICC 1:50-1:500
Source: Rabbit	UNIPROT ID: P04070	
Isotype: IgG	Full Name: protein C (inactivator of coagulation factors Va and VIIIa)	
Immunogen Catalog Number: AG11328	Calculated MW: 461 aa, 52 kDa	
	Observed MW: 52 kDa	

Applications

Tested Applications: WB, IHC, IF/ICC, ELISA	Positive Controls: WB : mouse liver tissue, IHC : human liver tissue, IF/ICC : HeLa cells,
Cited Applications: IHC	
Species Specificity: human, mouse	
Cited Species: 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

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

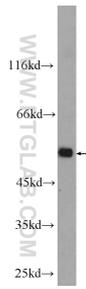
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

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.

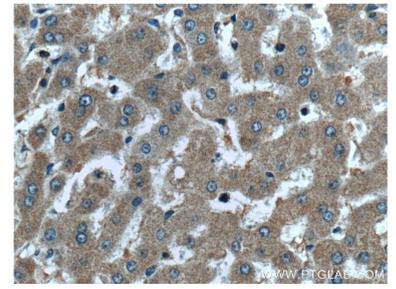
Selected Validation Data



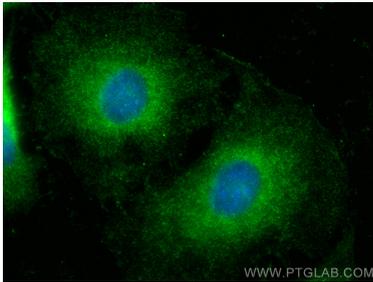
mouse liver tissue were subjected to SDS PAGE followed by western blot with 25382-1-AP (PROC Antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours.



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).