

For Research Use Only

PROS1 Polyclonal antibody

Catalog Number: 16910-1-AP

14 Publications



Basic Information

Catalog Number:

16910-1-AP

Size:

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

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG10539

GenBank Accession Number:

BC015801

GeneID (NCBI):

5627

UNIPROT ID:

P07225

Full Name:

protein S (alpha)

Calculated MW:

75 kDa

Observed MW:

70 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

WB 1:500-1:1000

IHC 1:20-1:200

IF/ICC 1:200-1:800

Applications

Tested Applications:

WB, IHC, IF/ICC, FC (Intra), ELISA

Cited Applications:

WB, IHC, IF, ELISA

Species Specificity:

human, mouse

Cited Species:

human, mouse, plasmodium falciparum

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 : human placenta tissue, DU 145 cells, mouse placenta tissue, HepG2 cells, HuH-7 cells

IHC : human liver tissue,

IF/ICC : HepG2 cells,

Background Information

PROS1, also named as Vitamin K-dependent protein S, is a 676 amino acid protein, which contains 4 EGF-like domains, contains one Gla (gamma-carboxy-glutamate) domain and contains 2 laminin G-like domains. PROS1 as a secreted protein platelets alpha granules is expressed in plasma. PROS1 is a cofactor to activated protein C in the degradation of coagulation factors Va and VIIIa and helps to prevent coagulation and stimulating fibrinolysis.

Notable Publications

Author	Pubmed ID	Journal	Application
Zhao-Hui Wang	25997409	Mol Med Rep	IF
Tang Liang L	23813890	Am J Hematol	WB,IF
Weiyu Xu	31956102	Aging (Albany NY)	WB,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

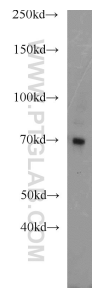
For technical support and original validation data for this product please contact:

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

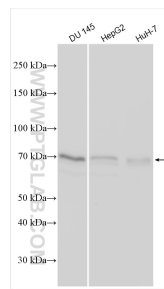
E: proteintech@ptglab.com
W: ptglab.com

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

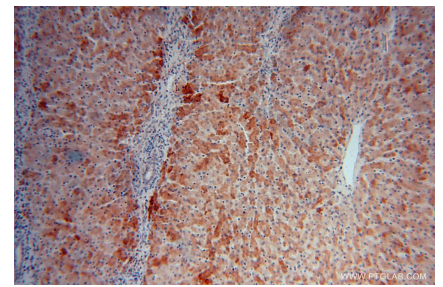
Selected Validation Data



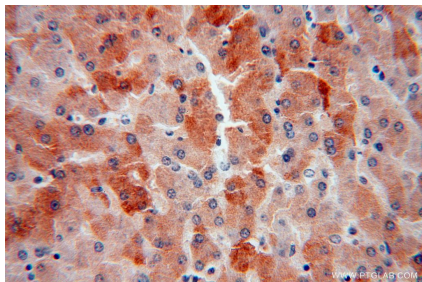
human placenta tissue were subjected to SDS PAGE followed by western blot with 16910-1-AP (PROS1 antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours.



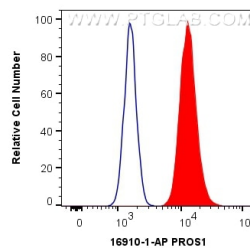
Various lysates were subjected to SDS PAGE followed by western blot with 16910-1-AP (PROS1 antibody) at dilution of 1:3000 incubated at room temperature for 1.5 hours.



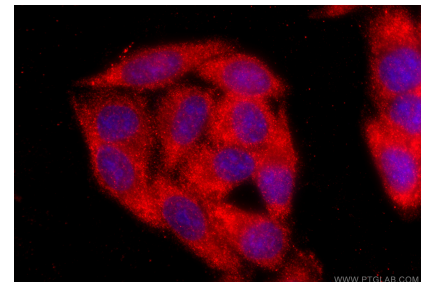
Immunohistochemical analysis of paraffin-embedded human liver using 16910-1-AP (PROS1 antibody) at dilution of 1:100 (under 10x lens).



Immunohistochemical analysis of paraffin-embedded human liver using 16910-1-AP (PROS1 antibody) at dilution of 1:100 (under 40x lens).



1X10⁶ HepG2 cells were intracellularly stained with 0.4 ug Anti-Human PROS1 (16910-1-AP) and CoraLite®488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L) at dilution 1:1000 (red), or 0.4 ug Isotype Control. Cells were fixed with 4% PFA and permeabilized with Flow Cytometry Perm Buffer (PF00011-C).



Immunofluorescent analysis of (-20°C Ethanol) fixed HepG2 cells using PROS1 antibody (16910-1-AP) at dilution of 1:400 and CoraLite®594-Conjugated Goat Anti-Rabbit IgG(H+L) (SA00013-4).