

For Research Use Only

Plasminogen Polyclonal antibody

Catalog Number: 18300-1-AP

1 Publications



Basic Information

Catalog Number:

18300-1-AP

Size:

600 µg/ml

Source:

Rabbit

Isotype:

IgG

GenBank Accession Number:

BC060513

GeneID (NCBI):

5340

UNIPROT ID:

P00747

Full Name:

plasminogen

Calculated MW:

91 kDa

Observed MW:

90-100 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

WB 1:1000-1:6000

IHC 1:50-1:500

IF 1:50-1:500

Applications

Tested Applications:

IF/ICC, IHC, WB, ELISA

Cited Applications:

IHC

Species Specificity:

human

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 plasma, HepG2 cells

IHC : human liver tissue,

IF : HepG2 cells,

Background Information

Plasminogen is a secreted blood zymogen that is activated by proteolysis and converted to plasmin and angiostatin. Plasminogen plays an important role in fibrinolysis as well as wound healing, cell migration, tissue modeling and angiogenesis. Plasminogen is synthesized in the liver, and it circulates in the blood, with a half-life of 2.2 days. Plasminogen is the precursor of plasmin, which lyses fibrin clots to fibrin degradation products (FDP) and D-dimer; the conversion to active protease is mediated by tissue-type (tPA) and urokinase-type (uPA) plasminogen activators. Defects in plasminogen are likely a cause of thrombophilia and ligneous conjunctivitis.

Notable Publications

| Author | Pubmed ID | Journal | Application |
|------------------|-----------|-------------|-------------|
| Takeshi Yamasaki | 36933193 | Int Immunol | 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

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

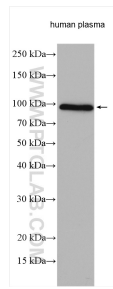
T: 4006900926

E: Proteintech-CN@ptglab.com

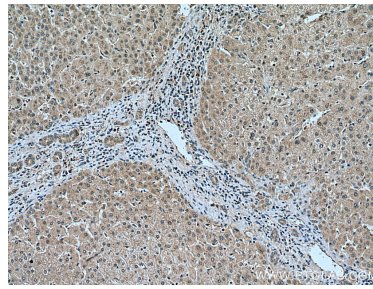
W: ptgcn.com

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

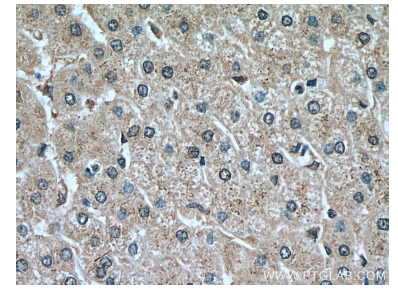
Selected Validation Data



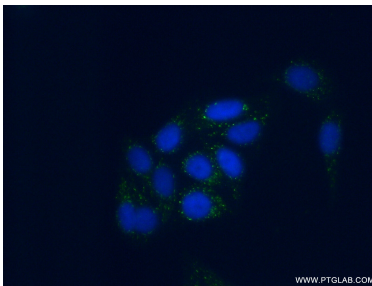
human plasma were subjected to SDS PAGE followed by western blot with 18300-1-AP (Plasminogen antibody) at dilution of 1:3000 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded human liver tissue slide using 18300-1-AP (Plasminogen 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 liver tissue slide using 18300-1-AP (Plasminogen antibody) at dilution of 1:200 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunofluorescent analysis of (-20°C Ethanol) fixed HepG2 cells using 18300-1-AP (Plasminogen antibody) at dilution of 1:50 and Alexa Fluor 488-conjugated AffiniPure Goat Anti-Rabbit IgG(H+L).