

Plasminogen Monoclonal antibody

Catalog Number: 66399-1-Ig **5 Publications**

Basic Information

Catalog Number: 66399-1-Ig	GenBank Accession Number: BC060513	Purification Method: Protein A purification
Size: 1200 ug/ml	GeneID (NCBI): 5340	CloneNo.: 1F6A11
Source: Mouse	UNIPROT ID: P00747	Recommended Dilutions: WB 1:1000-1:4000
Isotype: IgG1	Full Name: plasminogen	IHC 1:50-1:500
Immunogen Catalog Number: AG9938	Calculated MW: 810 aa, 91 kDa	IF-P 1:200-1:800
	Observed MW: 105 kDa	IF/ICC 1:400-1:1600

Applications

Tested Applications: WB, IHC, IF/ICC, IF-P, ELISA	Positive Controls:
Cited Applications: WB, IHC	WB : human plasma tissue,
Species Specificity: human	IHC : human liver cancer tissue,
Cited Species: human, mouse	IF-P : human liver cancer tissue,
	IF/ICC : HepG2 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

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
Hui Shi	36376702	Clin Transl Oncol	WB,IHC
Weisi Lu	35859222	Angiogenesis	WB
Pingping Ma	33410782	Aging (Albany NY)	WB

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:

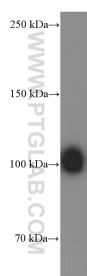
T: 4006900926

E: Proteintech-CN@ptglab.com

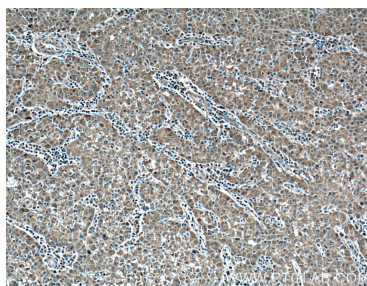
W: ptgcn.com

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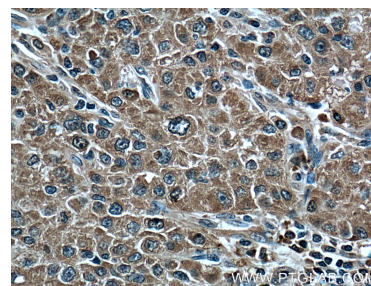
Selected Validation Data



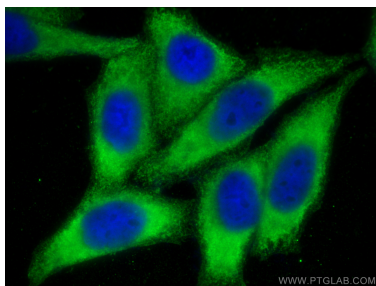
human plasma were subjected to SDS PAGE followed by western blot with 66399-1-Ig (PLG Antibody) at dilution of 1:2000 incubated at room temperature for 1.5 hours.



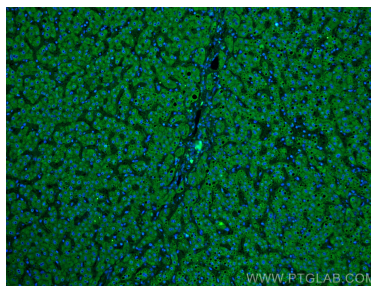
Immunohistochemical analysis of paraffin-embedded human liver cancer tissue slide using 66399-1-Ig (PLG Antibody) at dilution of 1:200 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



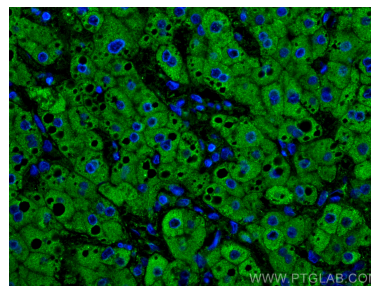
Immunohistochemical analysis of paraffin-embedded human liver cancer tissue slide using 66399-1-Ig (PLG Antibody) at dilution of 1:200 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunofluorescent analysis of (-20°C Ethanol) fixed HepG2 cells using Plasminogen antibody (66399-1-Ig, Clone: 1F6A11) at dilution of 1:800 and Multi-rAb CoraLite® Plus 488-Goat Anti-Mouse Recombinant Secondary Antibody (H+L) (RGAM002).



Immunofluorescent analysis of (4% PFA) fixed human liver cancer tissue using Plasminogen antibody (66399-1-Ig, Clone: 1F6A11) at dilution of 1:400 and CoraLite® 488-Conjugated AffiniPure Goat Anti-Mouse IgG(H+L).



Immunofluorescent analysis of (4% PFA) fixed human liver cancer tissue using Plasminogen antibody (66399-1-Ig, Clone: 1F6A11) at dilution of 1:400 and CoraLite® 488-Conjugated AffiniPure Goat Anti-Mouse IgG(H+L).