

For Research Use Only

# FGL1 Monoclonal antibody

Catalog Number: 67391-1-Ig **1 Publications**



## Basic Information

<b>Catalog Number:</b> 67391-1-Ig	<b>GenBank Accession Number:</b> BC007047	<b>Purification Method:</b> Protein G purification
<b>Size:</b> 150ul , Concentration: 2569 µg/ml by Nanodrop and 913 µg/ml by Bradford method using BSA as the standard;	<b>GeneID (NCBI):</b> 2267	<b>CloneNo.:</b> 2B11C6
<b>Source:</b> Mouse	<b>Full Name:</b> fibrinogen-like 1	<b>Recommended Dilutions:</b> WB 1:1000-1:5400 IHC 1:500-1:2000 IF 1:200-1:800
<b>Isotype:</b> IgG1	<b>Calculated MW:</b> 312 aa, 36 kDa	
<b>Immunogen Catalog Number:</b> AG8581	<b>Observed MW:</b> 36 kDa	

## Applications

<b>Tested Applications:</b> FC, IF, IHC, WB, ELISA	<b>Positive Controls:</b>
<b>Cited Applications:</b> WB	<b>WB :</b> pig liver tissue, human placenta tissue
<b>Species Specificity:</b> Human, pig	<b>IHC :</b> human liver tissue, human lung tissue, human liver cancer tissue
<b>Cited Species:</b> mouse	<b>IF :</b> HepG2 cells,
<b>Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0</b>	

## Background Information

Fibrinogen-like 1 (FGL1), also termed hepatocyte-derived fibrinogen-related protein 1 (HFREP1) or hepassocin, is a predominantly liver expressed protein that has been implicated as both a hepatoprotectant and a hepatocyte mitogen. FGL1 expression is decreased in hepatocellular carcinoma (HCC), and it may play a role in the development of hepatocellular carcinomas.

## Notable Publications

Author	Pubmed ID	Journal	Application
Dafei Chai	34977338	Mol Ther Oncolytics	WB

## Storage

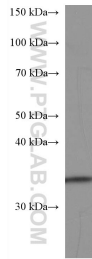
**Storage:**  
Store at -20°C.  
**Storage Buffer:**  
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.  
Aliquoting is unnecessary for -20°C storage

\*\*\* 20ul sizes contain 0.1% BSA

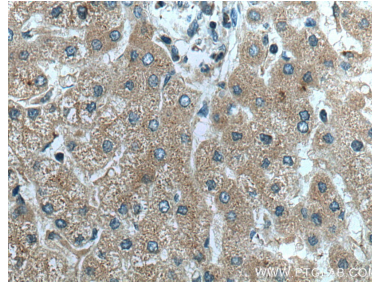
For technical support and original validation data for this product please contact:  
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)  
E: proteintech@ptglab.com  
W: ptglab.com

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

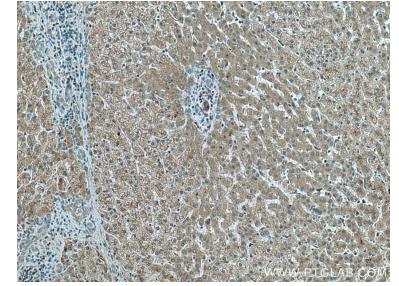
## Selected Validation Data



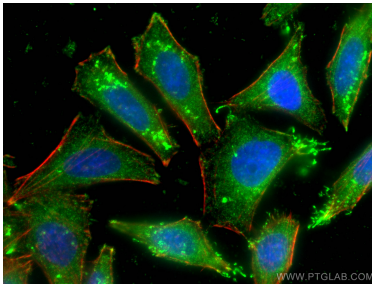
pig liver tissue were subjected to SDS PAGE followed by western blot with 67391-1-Ig (FGL1 antibody) at dilution of 1:2700 incubated at room temperature for 1.5 hours.



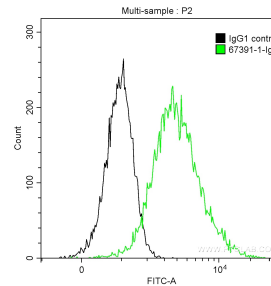
Immunohistochemical analysis of paraffin-embedded human liver tissue slide using 67391-1-Ig (FGL1 antibody) at dilution of 1:1000 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded human liver tissue slide using 67391-1-Ig (FGL1 antibody) at dilution of 1:1000 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunofluorescent analysis of (-20°C Ethanol) fixed HepG2 cells using FGL1 antibody (67391-1-Ig, Clone: 2B11C6) at dilution of 1:400 and CoraLite@488-Conjugated AffiniPure Goat Anti-Mouse IgG(H+L), CL594-Phalloidin (red).



$1 \times 10^6$  HepG2 cells were intracellularly stained with 0.2 ug Anti-Human FGL1 (67391-1-Ig, Clone:2B11C6) and CoraLite@488-Conjugated AffiniPure Goat Anti-Mouse IgG(H+L) at dilution 1:1000 (green), and 0.2 ug Mouse IgG1 Isotype Control (66360-1-Ig, Clone: T1F8D3F10) (black). Cells were fixed with 4% PFA and permeabilized with 0.1% TritonX-100.