

For Research Use Only

# HDGF Monoclonal antibody

Catalog Number: 60064-1-Ig **7 Publications**



## Basic Information

<b>Catalog Number:</b> 60064-1-Ig	<b>GenBank Accession Number:</b> BC018991	<b>Purification Method:</b> Protein G purification
<b>Size:</b> 150ul , Concentration: 1100 µg/ml by Nanodrop and 1000 µg/ml by Bradford method using BSA as the standard;	<b>GeneID (NCBI):</b> 3068	<b>CloneNo.:</b> 5A7G3
<b>Source:</b> Mouse	<b>Full Name:</b> hepatoma-derived growth factor (high-mobility group protein 1-like)	<b>Recommended Dilutions:</b> WB 1:1000-1:5000 IHC 1:50-1:500
<b>Isotype:</b> IgG1	<b>Calculated MW:</b> 26 kDa	
<b>Immunogen Catalog Number:</b> AG1893	<b>Observed MW:</b> 40 kDa	

## Applications

### Tested Applications:

IHC, WB, ELISA

### Cited Applications:

CoIP, IF, IHC, WB

### Species Specificity:

human, mouse, rat

### 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**

### Positive Controls:

**WB :** SMMC-7721 cells, A549 cells, HeLa cells, HepG2 cells, L02 cells, rat liver tissue

**IHC :** human liver cancer tissue, human colon cancer tissue, human kidney tissue

## Background Information

HDGF, also named as HMG1L2, belongs to the HDGF family. It is a heparin-binding protein, with mitogenic activity for fibroblasts. HDGF acts as a transcriptional repressor. It plays important roles in the development and progression of cancers. HDGF may have a synergistic effect with VEGF during cancer development and Progression. (PMID:20848225)

## Notable Publications

Author	Pubmed ID	Journal	Application
Li San-Zhong SZ	23771798	Med Oncol	IHC
Xin Chen	31358969	Nat Cell Biol	WB
Ye-Wei Zhang	34368121	Front Cell Dev Biol	WB,IF,CoIP

## 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

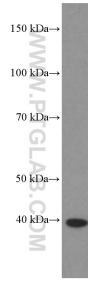
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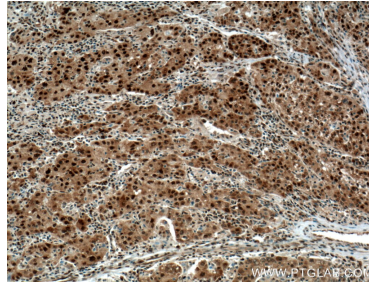
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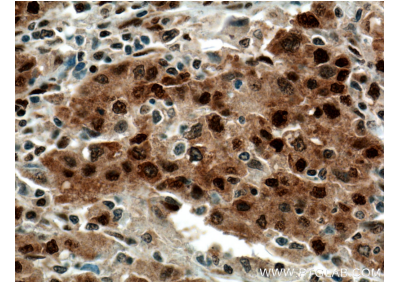
## Selected Validation Data



SMMC-7721 cells were subjected to SDS PAGE followed by western blot with 60064-1-Ig (HDGF Antibody) at dilution of 1:5000 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded human liver cancer tissue slide using 60064-1-Ig (HDGF 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 60064-1-Ig (HDGF Antibody) at dilution of 1:200 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).