

For Research Use Only

HGF Polyclonal antibody

Catalog Number: 26881-1-AP

25 Publications



Basic Information

Catalog Number: 26881-1-AP	GenBank Accession Number: BC130286	Purification Method: Antigen affinity purification
Size: 150ul, Concentration: 350 ug/ml by Nanodrop;	GeneID (NCBI): 3082	Recommended Dilutions: WB 1:500-1:2000
Source: Rabbit	UNIPROT ID: P14210	IHC 1:50-1:500
Isotype: IgG	Full Name: hepatocyte growth factor (hepapoietin A; scatter factor)	IF/ICC 1:200-1:800
Immunogen Catalog Number: AG25456	Observed MW: 69 kDa	

Applications

Tested Applications: WB, IHC, IF/ICC, ELISA	Positive Controls:
Cited Applications: WB, IHC, IF	WB : HEK-293T cells, human placenta tissue, JAR cells, HepG2 cells, NCI-H1299 cells, U-87 MG cells
Species Specificity: human	IHC : human liver cancer tissue, human tonsillitis tissue
Cited Species: human, mouse, rat	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

Hepatocyte growth factor (HGF) is the most potent mitogen of mature hepatocytes in primary culture. HGF is derived from a biologically inactive single chain precursor of 728 amino acids (pro-HGF) localized mostly on the cell surface and in the extracellular matrix. The mature form produced following proteolytic cleavage is composed of a 69-kDa α -subunit (containing four kringle domains) and the 34 kDa β -subunit, similar to the catalytic domain of serine proteases, but with amino acid substitutions in the active site. HGF is a pleiotropic cytokine which exerts a variety of effects on several cells, being involved in the regulation of many biological processes, such as inflammation, tissue repair, morphogenesis, angiogenesis, tumour propagation, immunomodulation of viral infections and cardio-metabolic activities.

Notable Publications

Author	Pubmed ID	Journal	Application
Yong-Heng Luo	30405726	Stem Cells Int	
Yingying Shen	30289981	Int J Cancer	WB
Shuyun Liu	36375619	J Control Release	WB

Storage

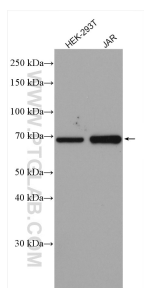
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

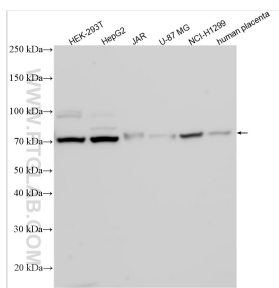
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
W: ptglab.com

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Selected Validation Data



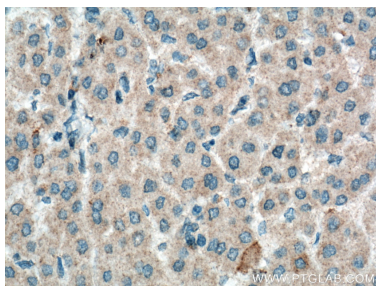
Various lysates were subjected to SDS PAGE followed by western blot with 26881-1-AP (HGF alpha antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours.



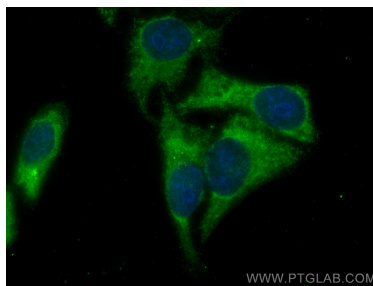
Various lysates were subjected to SDS PAGE followed by western blot with 26881-1-AP (HGF antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded human liver cancer tissue slide using 26881-1-AP (HGF alpha 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 26881-1-AP (HGF alpha 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 HGF Alpha antibody (26881-1-AP) at dilution of 1:400 and CoraLite® 488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L).