


## Rabbit Anti-HGF antibody

SL1025R

<b>Product Name:</b>	HGF
<b>Chinese Name:</b>	肝细胞生长因子 $\alpha$ 抗体
<b>Alias:</b>	HGF alpha; HGFA; F TCF; Hepatocyte growth factor; Fibroblast derived tumor cytotoxic factor; Hepatocyte growth factor precursor; Hepatopoietin A; HPTA; Lung fibroblast derived mitogen; Scatter factor; SF; hepatocyte growth factor alpha-chain; Hepatocyte growth factor alpha chain; HGF_HUMAN.
<b>文献引用</b> 	<b>Specific References(4)</b>  SL1025R has been referenced in 4 publications. <b>[IF=0.94]</b> Bi, Lingyun, et al. "Effect of bone marrow stem cell mobilisation on the expression levels of cellular growth factors in a rat model of acute tubular necrosis." Experimental and Therapeutic Medicine. <b>IHC-P;Rat.</b>  <a href="#">PubMed:26622364</a>
	<b>[IF=1.71]</b> Yu, Xiuju, et al. "Expression and tissue distribution of hepatocyte growth factor (HGF) and its receptor (c-Met) in alpacas (Vicugna pacos) skins associated with white and brown coat colors." Acta Histochemica (2015). <b>IHC-P;</b>  <a href="#">PubMed:26099836</a>
	<b>[IF=1.48]</b> Li, Hongyu, et al. "Overexpression of MACC1 and the association with hepatocyte growth factor/c-Met in epithelial ovarian cancer." Oncology letters9.5 (2015): 1989-1996. <b>IHC-P;Human.</b>  <a href="#">PubMed:26137000</a>
	<b>[IF=1.84]</b> Zhao, Yong, et al. "Inhibition of peripubertal sheep mammary gland development by cysteamine through reducing progesterone and growth factor production." Theriogenology (2016). <b>WB;Sheep.</b>  <a href="#">PubMed:28043364</a>

<b>Organism Species:</b>	Rabbit
<b>Clonality:</b>	Polyclonal
<b>React Species:</b>	Human, Mouse, Rat, Dog, Pig, Cow, Horse, Rabbit, Guinea Pig,
<b>Applications:</b>	ELISA=1:500-1000 IHC-P=1:400-800 IHC-F=1:400-800 IF=1:100-500 (Paraffin sections need antigen repair) not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
<b>Molecular weight:</b>	54/80kDa
<b>Cellular localization:</b>	Secretory protein
<b>Form:</b>	Lyophilized or Liquid
<b>Concentration:</b>	1mg/ml
<b>immunogen:</b>	KLH conjugated synthetic peptide derived from human HGF alpha:201-300/723
<b>Lsotype:</b>	IgG
<b>Purification:</b>	affinity purified by Protein A
<b>Storage Buffer:</b>	0.01M TBS(pH7.4) with 1% BSA, 0.03% Proclin300 and 50% Glycerol.
<b>Storage:</b>	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. The lyophilized antibody is stable at room temperature for at least one month and for greater than a year when kept at -20°C. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.
<b>PubMed:</b>	<a href="#">PubMed</a>
<b>Product Detail:</b>	<p>Hepatocyte growth factor regulates cell growth, cell motility, and morphogenesis by activating a tyrosine kinase signaling cascade after binding to the proto-oncogenic c-Met receptor. Hepatocyte growth factor is secreted by mesenchymal cells and acts as a multi-functional cytokine on cells of mainly epithelial origin. Its ability to stimulate mitogenesis, cell motility, and matrix invasion gives it a central role in angiogenesis, tumorigenesis, and tissue regeneration. It is secreted as a single inactive polypeptide and is cleaved by serine proteases into a 69-kDa alpha-chain and 34-kDa beta-chain. A disulfide bond between the alpha and beta chains produces the active, heterodimeric molecule. The protein belongs to the lasminogen subfamily of S1 peptidases but has no detectable protease activity. Alternative splicing of this gene produces multiple transcript variants encoding different isoforms. [provided by RefSeq, Jul 2008].</p> <p><b>Function:</b> HGF is a potent mitogen for mature parenchymal hepatocyte cells, seems to be an hepatotrophic factor, and acts as growth factor for a broad spectrum of tissues and cell types. It has no detectable protease activity.</p> <p><b>Subunit:</b> Dimer of an alpha chain and a beta chain linked by a disulfide bond.</p> <p><b>DISEASE:</b> Defects in HGF are the cause of deafness autosomal recessive type 39 (DFNB39) [MIM:608265]. A form of profound prelingual sensorineural hearing loss. Sensorineural deafness results from damage to the neural receptors of the inner ear, the nerve pathways to the brain, or the area of the brain that receives sound information.</p>

**Similarity:**

Belongs to the peptidase S1 family. Plasminogen subfamily.

Contains 4 kringle domains.

Contains 1 PAN domain.

Contains 1 peptidase S1 domain.

**SWISS:**

P14210

**Gene ID:**

3082

**Database links:**

[Entrez Gene: 3082](#) Human

[Entrez Gene: 282879](#) Cow

[Entrez Gene: 15234](#) Mouse

[Entrez Gene: 24446](#) Rat

[Omim: 142409](#) Human

[SwissProt: Q9BH09](#) Cat

[SwissProt: Q76BS1](#) Cow

[SwissProt: Q867B7](#) Dog

[SwissProt: P14210](#) Human

[SwissProt: Q08048](#) Mouse

[SwissProt: P17945](#) Rat

[Unigene: 396530](#) Human

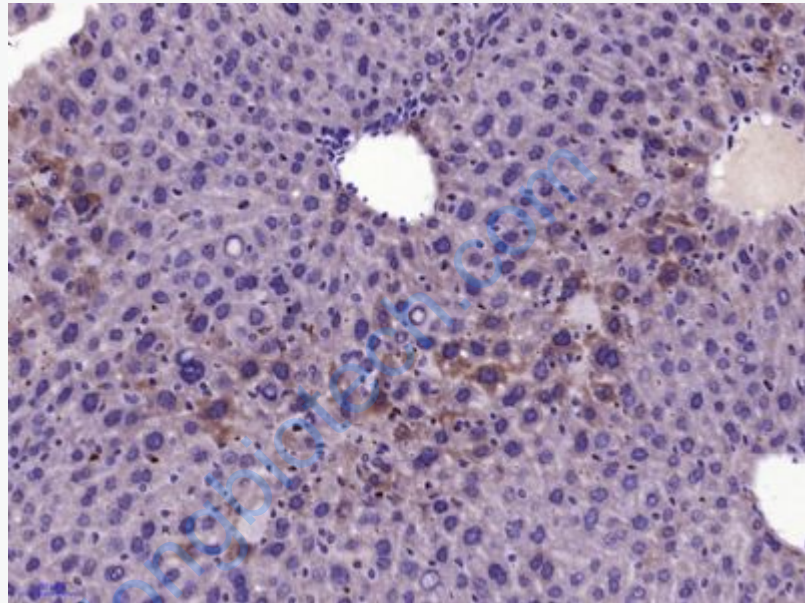
[Unigene: 267078](#) Mouse

[Unigene: 10468](#) Rat

**Important Note:**

This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.

肝细胞生长因子(HGF)是一种多肽生长因子,具有促进包括肝细胞、epithelial cells、endothelial cells、造血细胞等多种类型细胞的生长、迁移和形态发生的作用.它还参与多种细胞的增殖、迁移,对各类Tumour的侵袭转移有着重要的诱导作用.HGF除了由肝脏大量产生并释放进入血液,还可从胚胎肺成纤维细胞株中分离得到,因此又称扩散因子(scatter factor)或称肺成纤维细胞衍生生长因子(fibroblast-derived growth factor)。



Picture:

Paraformaldehyde-fixed, paraffin embedded (Mouse liver); Antigen retrieval by microwave in sodium citrate buffer (pH6.0) ; Block endogenous peroxidase by 3% hydrogen peroxide for 30 minutes; Blocking buffer (3% BSA) at RT for 30min; Antibody incubation with (HGF) Polyclonal Antibody, Unconjugated (SL1025R) at 1:400 overnight at 4°C, followed by conjugation to the secondary antibody (labeled with HRP)and DAB staining.