



## Rabbit Anti-HGF beta antibody

SL20688R

<b>Product Name:</b>	HGF beta
<b>Chinese Name:</b>	肝细胞生长因子β抗体
<b>Alias:</b>	HGF-beta; HGFB; 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 beta-chain; Hepatocyte growth factor beta chain; HGF_HUMAN.
<b>Organism Species:</b>	Rabbit
<b>Clonality:</b>	Polyclonal
<b>React Species:</b>	Human,Mouse,Rat,Dog,Cow,Horse,
<b>Applications:</b>	WB=1:500-2000ELISA=1:500-1000IHC-P=1:400-800IHC-F=1:400-800ICC=1:100-500IF=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>	26/80kDa
<b>Cellular localization:</b>	The cell membraneExtracellular matrix
<b>Form:</b>	Lyophilized or Liquid
<b>Concentration:</b>	1mg/ml
<b>immunogen:</b>	KLH conjugated synthetic peptide derived from human HGF beta:501-600/723
<b>Lsotype:</b>	IgG
<b>Purification:</b>	affinity purified by Protein A
<b>Storage Buffer:</b>	Preservative: 15mM Sodium Azide, Constituents: 1% BSA, 0.01M PBS, pH 7.4
<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>	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].

**Function:**

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.

**Subunit:**

Dimer of an alpha chain and a beta chain linked by a disulfide bond.

**DISEASE:**

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.

**Similarity:**

Belongs to the peptidase S1 family. Plasminogen subfamily.  
Contains 4 kringle domains.  
Contains 1 PAN domain.

**SWISS:**

P14210

**Gene ID:**

3082

**Database links:**

[Entrez Gene: 3082](#) Human

[Entrez Gene: 282879](#) Cow

[Entrez Gene: 15234](#) Mouse

[Entrez Gene: 24446](#) Rat

[Omicron: 142409](#) Human

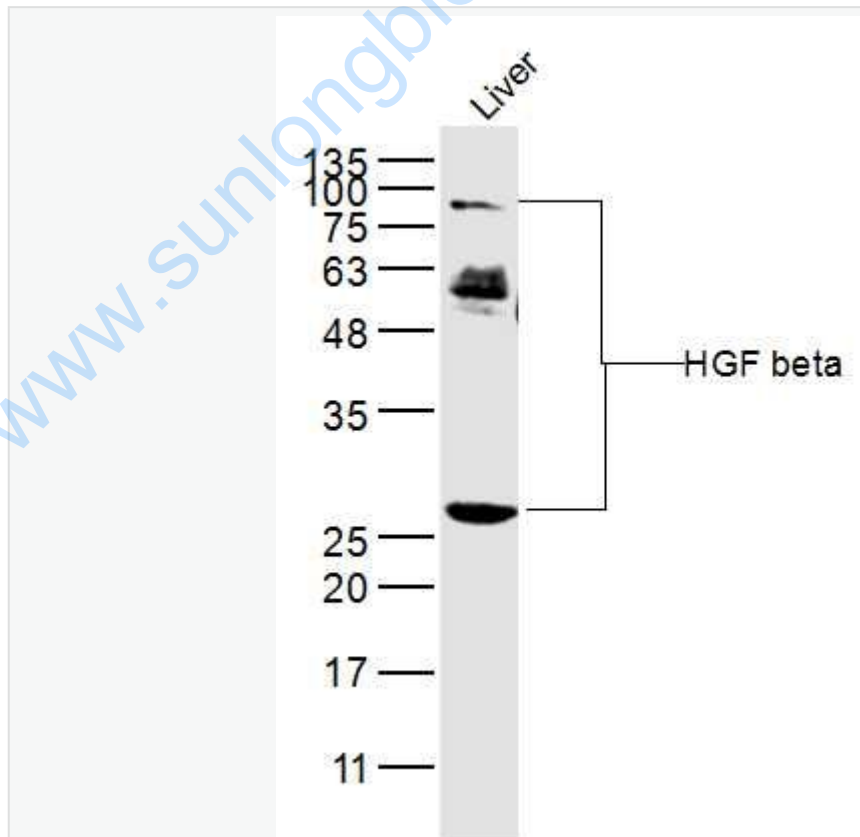
[SwissProt: Q9BH09](#) Cat

[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.

**Picture:**



Sample:

Liver (Mouse) Lysate at 40 ug

Primary: Anti-HGF beta (SL20688R) at 1/300 dilution

Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution

Predicted band size: 26/80 kD

Observed band size: 26/80 kD

[www.sunlongbiotech.com](http://www.sunlongbiotech.com)