



11 Park Drive, Suite 12  
Boston, MA 02215

## Rabbit Anti-Human HGF

### ORDERING INFORMATION

<b>Catalog Number:</b>	102-PA62
<b>Size:</b>	100 µg
<b>Formulation:</b>	Polyclonal Antibody ; Lyophilized
<b>Synonyms:</b>	HGF; SF; HGFB; HPTA; F-TCF; DFNB39
<b>Antigen:</b>	Recombinant human HGF (RT #300-011)
<b>Application:</b>	WB
<b>NCBI Gene ID:</b>	23892
<b>Buffer:</b>	PBS pH 7.4 w/o preservative

#### ***Description:***

HGF is a mesenchymally derived potent mitogen for mature parenchymal hepatocyte cells and acts as a growth factor for a broad spectrum of tissues and cell types. HGF signals through a transmembrane tyrosine kinase receptor known as MET. Activities of HGF include induction of cell proliferation, motility, morphogenesis, inhibition of cell growth, and enhancement of neuron survival. HGF is a crucial mitogen for liver regeneration processes, especially after partial hepatectomy and other liver injuries. Human and murine HGF are cross-reactive. Human HGF is expressed as a linear 697 amino acid polypeptide precursor glycoprotein. Proteolytic processing of this precursor generates the biologically active form of HGF, which consists of two polypeptide chains ( $\alpha$ -chain and  $\beta$ -chain) held by a single disulfide bond resulting in formation of a biologically active heterodimer. The  $\alpha$ -chain consists of 463 amino acid residues and four kringle domains. The  $\beta$ -chain consists of 234 amino acid residues.

#### ***Reconstitution:***

Centrifuge vial prior to opening. Reconstitute in sterile water to a concentration of 0.1-1.0 mg/ml.

#### ***Stability:***

The lyophilized antibody is stable at room temperature for up to 1 month. The reconstituted antibody is stable for at least two weeks at 2-8 °C. Frozen aliquots are stable for at least 6 months when stored at -20 °C. **Avoid repeated freeze-thaw cycles!**

*Optimal dilutions should be determined by each laboratory for each application.*

The listed dilutions are for recommendation only and the final conditions should be optimized by the ender users!

**This product is sold for Research Use Only !**

Contact & Ordering Information: Angio-Proteomie, 11 Park Drive, Suite 12, Boston, MA 02215, USA. Tel: 617-549-2665; Fax: (480) 247-4337, [angioproteomie@gmail.com](mailto:angioproteomie@gmail.com)