

Anti-HGF Antibody
Catalog # ABO12743**Specification**

Anti-HGF Antibody - Product Information

Application	WB
Primary Accession	Q08048
Host	Rabbit
Reactivity	Mouse
Clonality	Polyclonal
Format	Lyophilized

Description

Rabbit IgG polyclonal antibody for Hepatocyte growth factor(HGF) detection. Tested with WB in Mouse.

Reconstitution

Add 0.2ml of distilled water will yield a concentration of 500ug/ml.

Anti-HGF Antibody - Additional Information

Gene ID 15234

Other Names

Hepatocyte growth factor, Hepatopoietin-A, Scatter factor, SF, Hepatocyte growth factor alpha chain, Hepatocyte growth factor beta chain, Hgf

Calculated MW

82945 MW KDa

Application Details

Western blot, 0.1-0.5 µg/ml, Mouse

Protein Name

Hepatocyte growth factor

Contents

Each vial contains 5mg BSA, 0.9mg NaCl, 0.2mg Na₂HPO₄, 0.05mg Na₃.

Immunogen

A synthetic peptide corresponding to a sequence at the N-terminus of mouse HGF (33-64aa QKKRRNTLHEFKKSAKTTLTKEPLLKIKTKK), different from the related human sequence by five amino acids, and from the related rat sequence by one amino acid.

Purification

Immunogen affinity purified.

Cross Reactivity

No cross reactivity with other proteins

Storage

At -20°C for one year. After reconstitution, at 4°C for one month. It can also be aliquotted and stored frozen at -20°C for a longer time. Avoid repeated freezing and thawing.

Sequence Similarities

Belongs to the peptidase S1 family. Plasminogen subfamily.

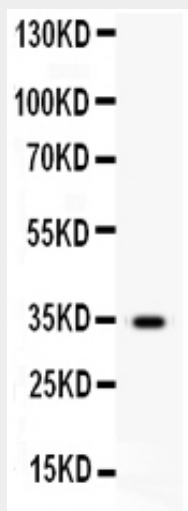
Anti-HGF Antibody - Protein Information**Name** Hgf**Function**

Potent mitogen for mature parenchymal hepatocyte cells, seems to be a hepatotrophic factor, and acts as a growth factor for a broad spectrum of tissues and cell types (PubMed: [20624990](http://www.uniprot.org/citations/20624990)). Activating ligand for the receptor tyrosine kinase MET by binding to it and promoting its dimerization (By similarity). Activates MAPK signaling following TMPRSS13 cleavage and activation (By similarity).

Anti-HGF Antibody - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

Anti-HGF Antibody - Images

Anti- HGF antibody, ABO12743, Western blotting All lanes: Anti HGF (ABO12743) at 0.5ug/ml WB:

NIH Whole Cell Lysate at 40ug Predicted bind size: 34KD Observed bind size: 34KD

Anti-HGF Antibody - Background

Hepatocyte growth factor/scatter factor (HGF/SF) is a paracrine cellular growth, motility and morphogenic factor. This gene is mapped to 7q21.11. It is secreted by mesenchymal cells and targets and acts primarily upon epithelial cells and endothelial cells, but also acts on haemopoietic progenitor cells. It has been shown to have a major role in embryonic organ development, specifically in myogenesis, in adult organ regeneration and in wound healing. HGF can regulate cell growth, cell motility, and morphogenesis by activating a tyrosine kinase signaling cascade after binding to the proto-oncogenic c-Met receptor. HGF also serves as a paracrine mediator to control placental development and growth. HGF was identified as one of the liver sinusoidal endothelial cell-derived paracrine mediators promoting hepatocyte growth.