

Anti-Hepatocyte growth factor HGF Antibody

Catalog Number: RP1062

About Hgf

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.

Overview

Product Name	Anti-Hepatocyte growth factor HGF Antibody
Reactive Species	Mouse
Description	Boster Bio Anti-Hepatocyte growth factor HGF Antibody catalog # RP1062. Tested in WB applications. This antibody reacts with Mouse.
Application	WB
Clonality	Polyclonal
Formulation	Each vial contains 4mg Trehalose, 0.9mg NaCl, 0.2mg Na ₂ HPO ₄ , 0.05mg NaN ₃ .
Storage Instructions	Store at -20°C for one year from date of receipt. After reconstitution, at 4°C for one month. It can also be aliquotted and stored frozen at -20°C for six months. Avoid repeated freeze-thaw cycles.
Host	Rabbit
Uniprot ID	Q08048

Technical Details

Immunogen	A synthetic peptide corresponding to a sequence at the N-terminus of mouse HGF, different from the related human sequence by five amino acids, and from the related rat sequence by one amino acid.
Predicted Reactive Species	Hamster
Recommended Detection Systems	Boster recommends Enhanced Chemiluminescent Kit with anti-Rabbit IgG (EK1002) for Western blot.
Cross Reactivity	No cross-reactivity with other proteins
Isotype	Rabbit IgG

Form	Lyophilized
Concentration	Adding 0.2 ml of distilled water will yield a concentration of 500 ug/ml.
Purification	Immunogen affinity purified.
Suggested Dilutions	<p>Dilute the sample so that the expected range of concentrations fall within the detection range of this kit.</p> <p>If the expected range of concentration is unknown, a pilot test should be conducted to decide the optimal dilution ratio for your samples.</p> <p>Some PubMed article(s) citing the expression level of this target are as follows:</p> <p>Boster Bio's internal QC testing used:</p> <p>Western blot, 0.1-0.5ug/ml, Mouse</p>

Anti-Hepatocyte growth factor HGF Antibody (RP1062) Images



Anti-HGF antibody, RP1062, Western blotting
All lanes: Anti HGF (RP1062) at 0.5ug/ml
WB: NIH Whole Cell Lysate at 40ug
Predicted bind size: 34KD
Observed bind size: 34KD

12 Publications Citing This Product

1. PubMed ID: 22629409, HGF-Transgenic MSCs Can Improve the Effects of Tissue Self-Repair in a Rabbit Model of Traumatic Osteonecrosis of the Femoral Head
2. PubMed ID: 29484401, MicroRNA-210 promotes angiogenesis in acute myocardial infarction
3. PubMed ID: 24137203, Zhang Z, Wang G, Ma J, Liu H, Zhang X, Zhu G. Exp Ther Med. 2013 Aug;6(2):427-434. Epub 2013 Jun 6. Effect Of Herba Centellae On The Expression Of Hgf And Mcp-1.

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