HGF Antibody / Hepatocyte growth factor (R30164)

Catalog No.	Formulation	Size
R30164	0.5mg/ml if reconstituted with 0.2ml sterile DI water	100 ug

Bulk quote request

Availability	1-3 business days
Species Reactivity	Mouse
Format	Antigen affinity purified
Clonality	Polyclonal (rabbit origin)
Isotype	Rabbit IgG
Purity	Antigen affinity
Buffer	Lyophilized from 1X PBS with 2.5% BSA and 0.025% sodium azide
Gene ID	15234
Applications	Western Blot : 0.5-1ug/ml
Limitations	This HGF antibody is available for research use only.

Western blot testing of HGF antibody and mouse NIH3T3 cell lysate. Predicted molecular weight: 76-91 kDa (precursor), 54-64 kDa (alpha chain), 31-34 kDa (beta chain).

Description

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 uponepithelial 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.

Application Notes

The stated application concentrations are suggested starting amounts. Titration of the HGF antibody may be required due to differences in protocols and secondary/substrate sensitivity.

Immunogen

An amino acid sequence from the N-terminus of mouse HGF (QKKRRNTLHEFKKSAKTTLTKEDPLLKIKTKK) was used as the immunogen for this HGF antibody.

Storage

After reconstitution, the HGF antibody can be stored for up to one month at 4oC. For long-term, aliquot and store at -20oC. Avoid repeated freezing and thawing.