Polyclonal Anti- Hepatocyte Growth Factor, *HGF (*Sepharose Bead Conjugate)

Catalogue No. PA1312-S

Lot No. 08G01

Ig type: rabbit IgG

Size: 100µg/vial

Specificity

Human, rat, mouse. No cross reactivity with other proteins.

Recommended application

(Immunoprecipitation(IP)

Immunogen

A synthetic peptide corresponding to a sequence at the N-terminal of human HGF, different from the mouse sequence by two amino acids.

Purification

Immunogen affinity purified.

Formulation

50% slurry in PBS pH 7.2 with 0.01mg NaN_3a_3 preservative.

Storage

Store at 4˚C for frequent use.

Description:

This Antagene antibody is immobilized via covalent binding of primary amino groups to N-hydroxysuccinimide (NHS)-activated sepharose beads. It is useful for immunoprecipitation assays

BACKGROUND

Hepatocyte Growth Factor (HGF) is structurally similar, but not identical to scatter factor, a molecule shown to stimulate the dissociation and scattering of epithelial cells. It mapped to 7q21.1 and involved in liver regeneration. Human HGF has been purified approximately 209,000-fold with 18% yield from plasma of a patient with fulminant hepatic failure. It consists of 2 chains, heavy and light with molecular weights of 54,000-65,000 and 31,500-34,500, respectively.1 HGF is a potent mitogen, morphogen and motogen to both endothelial and epithelial cell types and is linked to a tyrosine kinase, proto-oncogene, c-met receptor. It indicated that HGF may serve as a paracrine mediator to control placental development and growth.2

REFERENCE

1. Gohda, E.; Tsubouchi, H.; Nakayama, H.; Hirono, S.; Sakiyama, O.; Takahashi, K.; Miyazaki, H.; Hashimoto, S.; Daikuhara, Y. : Purification and partial characterization of hepatocyte growth factor from plasma of a patient with fulminant hepatic failure. J. Clin. Invest. 81: 414-419, 1988.

2. Kilby, M. D.; Afford, S.; Li, X. F.; Strain, A. J.; Ahmed, A.; Whittle, M. J. : Localisation of hepatocyte growth factor and its receptor (c-met) protein and mRNA in human term placenta. Growth Factors 13: 133-139, 1996.

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