



Product Information Sheet

Polyclonal Anti- Hepatocyte Growth Factor, *HGF*

Catalogue No. PA1312

Lot No. 08G01

Ig type rabbit IgG

Size 100µg/vial

Specificity

Human, rat, mouse.

No cross reactivity with other proteins.

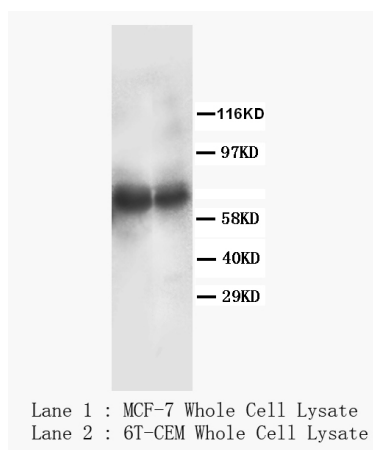
Recommended application

Western blot

Immunohistochemistry(P)

Immunohistochemistry(F)

Immunocytochemistry



Immunogen

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

Purity

Immunogen affinity purified.

Application

	Concentration	Tested Species	Concluded Species	Antigen Retrieval
WB	1µg/ml	Hu, Rat	Ms	-
IHC-P	1µg/ml	Hu, Rat, Ms	-	By Heat
IHC-F	1µg/ml	Rat, Ms	-	-
ICC	1µg/ml	Hu	-	-

Other applications have not been tested.

Optimal dilutions should be determined by end user.

Contents

Each vial contains 5mg BSA, 0.9mg NaCl, 0.2mg Na₂HPO₄, 0.05mg Thimerosal, 0.05mg NaN₃.

Reconstitution

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

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 longer time.

To reorder contact us at:

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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.