

ARG42031
anti-HGF antibodyPackage: 100 µl
Store at: -20°C

Summary

Product Description	Rabbit Polyclonal antibody recognizes HGF
Tested Reactivity	Hu, Ms, Rat
Tested Application	ICC/IF, IHC-P, WB
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Target Name	HGF
Species	Human
Immunogen	Recombinant fusion protein corresponding to aa. 30-285 of Human HGF (NP_001010933.1).
Conjugation	Un-conjugated
Alternate Names	HPTA; Scatter factor; F-TCF; Hepatocyte growth factor; DFNB39; Hepatopietin-A; HGFB; SF

Application Instructions

Application table	Application	Dilution
	ICC/IF	1:50 - 1:200
	IHC-P	1:50 - 1:200
	WB	1:200 - 1:2000
Application Note	* The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.	

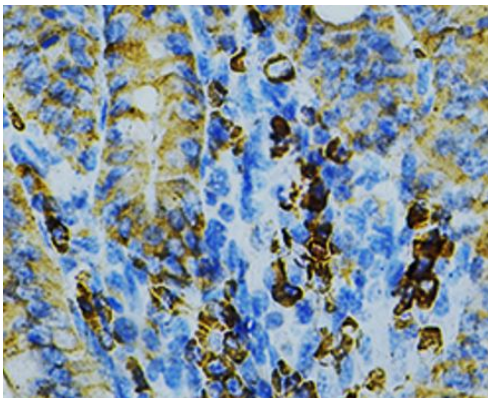
Properties

Form	Liquid
Purification	Affinity purified.
Buffer	PBS (pH 7.3), 0.02% Sodium azide and 50% Glycerol.
Preservative	0.02% Sodium azide
Stabilizer	50% Glycerol
Storage instruction	For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use.
Note	For laboratory research only, not for drug, diagnostic or other use.

Bioinformation

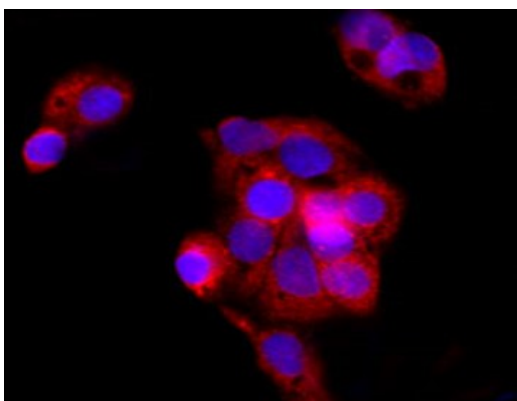
Gene Symbol	HGF
Gene Full Name	hepatocyte growth factor (hepapoietin A; scatter factor)
Background	Hepatocyte growth factor regulates cell growth, cell motility, and morphogenesis by activating a tyrosine kinase signaling cascade after binding to the proto-oncogenic c-Met receptor. Hepatocyte growth factor is secreted by mesenchymal cells and acts as a multi-functional cytokine on cells of mainly epithelial origin. Its ability to stimulate mitogenesis, cell motility, and matrix invasion gives it a central role in angiogenesis, tumorigenesis, and tissue regeneration. It is secreted as a single inactive polypeptide and is cleaved by serine proteases into a 69-kDa alpha-chain and 34-kDa beta-chain. A disulfide bond between the alpha and beta chains produces the active, heterodimeric molecule. The protein belongs to the plasminogen subfamily of S1 peptidases but has no detectable protease activity. Alternative splicing of this gene produces multiple transcript variants encoding different isoforms. [provided by RefSeq, Jul 2008]
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. Activating ligand for the receptor tyrosine kinase MET by binding to it and promoting its dimerization. [UniProt]
Calculated Mw	83 kDa

Images



ARG42031 anti-HGF antibody IHC-P image

Immunohistochemistry: Paraffin-embedded Mouse intestine tissue stained with ARG42031 anti-HGF antibody at 1:100 dilution.



ARG42031 anti-HGF antibody ICC/IF image

Immunofluorescence: HepG2 stained with ARG42031 anti-HGF antibody at 1:50 dilution.

ARG42031 anti-HGF antibody WB image

Western blot: Mouse Liver stained with ARG42031 anti-HGF antibody at 1:700 dilution.

