

Rabbit anti-Human HGF Polyclonal Antibody | anti-HGF antibody

Anti-HGF Antibody, Rabbit Polyclonal

CATALOG # AAA259410	HOST Rabbit	REACTIVITY Human	APPLICATIONS Immunohistochemistry, ELISA, Western Blot
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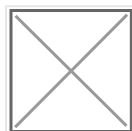
PRODUCT SYNONYMS

HGF; Polyclonal Antibody; Anti-HGF Antibody; Rabbit Polyclonal; HGF Antibody; Rabbit PAb; Antigen Affinity Purified; hepatocyte growth factor (hepapoietin A; scatter factor); Anti-DFNB39 Antibody; Anti-F-TCF Antibody; Anti-HGFB Antibody; Anti-HPTA Antibody; Anti-SF Antibody; anti-HGF antibody

PRODUCT SPECIFICATIONS

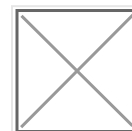
Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Isotype	Rabbit IgG
Specificity	Human HGF
Purity/Purification	Protein A & Antigen Affinity
Form/Format	Liquid; 0.2um filtered solution in PBS
Applicable Applications for anti-HGF antibody	IHC (Immunohistochemistry), ELISA, WB (Western Blot)
Immunogen	Recombinant Human HGF Protein (NP_000592.3; Met1-Ser728). HGF specific IgG was purified by Human HGF affinity chromatography.
Preparation and Storage	This antibody can be stored at 2 degree C-8 degree C for one month without detectable loss of activity. Antibody products are stable for twelve months from date of receipt when stored at -20 degree C to -80 degree C. Preservative-Free. Avoid repeated freeze-thaw cycles. This antibody is shipped as liquid solution at ambient temperature. Upon receipt, store it immediately at the temperature recommended below.

IMAGES



IHC (Immunohistochemistry)

Immunochemical staining of human HGF in human liver with rabbit polyclonal antibody at 1:100 dilution, formalin-fixed paraffin embedded sections.



IHC (Immunohistochemistry)

Immunochemical staining of human HGF in human kidney with rabbit polyclonal antibody at 1:100 dilution, formalin-fixed paraffin embedded sections.



WB (Western Blot)

Anti-HGF rabbit polyclonal antibody at 1:500 dilution
Lane A: MCF-7 Whole Cell Lysate
Lane A: Caco-2 Whole Cell Lysate
Lysates/proteins at 30ug per lane.
Secondary Goat Anti-Rabbit IgG (H+L)/HRP at 1/10000 dilution
Developed using the ECL technique. Performed under reducing conditions.
Predicted band size: 83 kDa
Observed band size: 83 kDa

ADDITIONAL INFORMATION

Related Product Information for anti-HGF antibody	Hepatocyte growth factor, also known as HGF, contains 4 kringle domains, 1 PAN domain, and 1 peptidase S1 domain. It belongs to the peptidase S1 family, plasminogen subfamily. The hepatocyte growth factor is secreted by mesenchymal cells 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 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, and acts as a multi-functional cytokine on cells of mainly epithelial origin. Its ability to stimulate mitogenesis, cell motility and matrix invasion give it a central role in angiogenesis, tumorigenesis, and tissue regeneration. HGF is a potent mitogen for mature parenchymal hepatocyte cells, seems to be an hepatotrophic factor, and acts as a growth factor for a broad spectrum of tissues and cell types. HGF has no detectable protease activity. Defects in hepatocyte growth factor are the cause of deafness autosomal recessive type 39. A form of profound prelingual sensorineural hearing loss. Sensorineural deafness results from damage to the neural receptors of the inner ear, the nerve pathways to the brain, or the area of the brain that receives sound information.
Product Categories/Family for anti-HGF antibody	Cancer Drug Targets
References	Naldin. L. e. al. (1991). Scatte. facto. an. hepatocyt. growt. facto. ar. indistinguishabl. ligand. fo. th. ME. receptor. EMB. J. 10(10):2867-78. Comoglio. e. al. (1993). Structure. biosynthesi. an. biochemica. proprieti. o. th. HG. recepto. i. norma. an. malignan. cells. 65:131-65. Hah. W. e. al. (2011). Enhance. cardioprotectiv. effect. b. coexpressio. o. tw. isoform. o. hepatocyt. growt. facto. fro. nake. plasm. DN. i. . ra. ischemi. hear. diseas. model. Th. Journa. o. Gen. Medicine. 13(10):549-55. Bottar. DP. e. al. (1991). Identificatio. o. th. hepatocyt. growt. facto. recepto. a. th. c-me. proto-oncogen. product. Science. 251(4995):802-4.

NCBI AND UNIPROT INFORMATION

NCBI GI #	33859835
NCBI GeneID	3082
NCBI Accession #	NP_000592.3
NCBI GenBank Nucleotide #	NM_000601.4
UniProt Accession #	P14210; Q02935; Q13494; Q14519; Q3KRB2; Q8TCE2; Q9BYL9; Q9BYM0; Q9UDU6; A1L3U6
NCBI Official Full Name	hepatocyte growth factor isoform 1 preproprotein
NCBI Official Synonym Full Names	hepatocyte growth factor (hepapoietin A; scatter factor)
NCBI Official Symbol	HGF
NCBI Official Synonym Symbols	SF; HGFB; HPTA; F-TCF; DFNB39
NCBI Protein Information	hepatocyte growth factor; fibroblast-derived tumor cytotoxic factor; hepatopoeitin-A; hepatopoietin-A; lung fibroblast-derived mitogen
UniProt Protein Name	Hepatocyte growth factor
UniProt Gene Name	HGF
UniProt Synonym Gene Names	HPTA; SF
UniProt Entry Name	HGF_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.