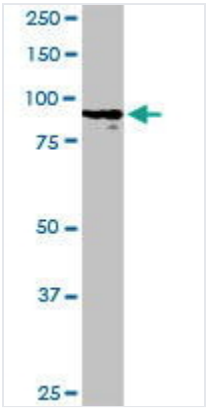
HGF Antibody – Rabbit Polyclonal

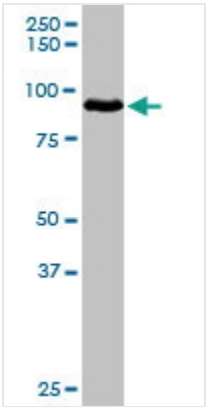
PRODUCT OVERVIEW

Product Name	HGF, Polyclonal Antibody
Full Product Name	HGF (Hepatocyte Growth Factor, Scatter Factor, SF, Hepatopoeitin A, HGF, HPTA) (FITC)
Product Gene Name	anti-HGF antibody
Clonality	Polyclonal
Isotype	IgG
Host	Rabbit
Species Reactivity	Human, Mouse
Form/Format	Supplied as a liquid in PBS, pH 7.2. No preservative added. Labeled with Fluorescein Isothiocyanate (FITC).
Purity/Purification	Purified
Specificity	Recognizes human HGF. Species Crossreactivity: mouse
Preparation and Storage	Store product at 4 degree C if to be used immediately within two weeks. For long-term storage, aliquot to avoid repeated freezing and thawing and stor
OMIM	gene 608265
3D Structure	ModBase 3D Structure for P14210
Immunogen	Full length recombinant protein corresponding to aa1-728 from human HGF (NP_000592.3).
Immunogen Sequence	MWVTKLLPALLLQHVLLHLLLLPIAIPYAEGQRKRRNTIHEFKKSAKTTLIKIDPALKIKTKKVNTADQCANRCTRNKGLPFTCKAFVFDKARKQCLWFPFNS
Conjugate	FITC
Note	Preservative Free
Product Categories/Family for anti-HGF antibody	Antibodies; Growth Factors; Cytokines
Applications Tested/Suitable for anti-HGF antibody	Western Blot (WB)
Application Notes for anti-HGF antibody	Applications are based on unconjugated antibody.
Related Product Information for anti-HGF antibody	Hepatocyte growth factor (HGF), also known as Hepatopoietin A, is mitogenic for a variety of cell types, including endothelial and epithelial cells, melan

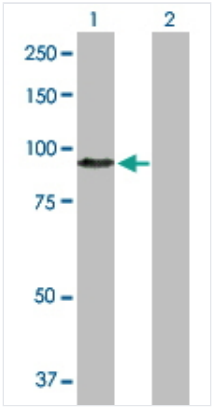
Product References and Citations for anti-HGF antibody	1. Hepatocyte growth factor upregulation promotes carcinogenesis and epithelial-mesenchymal transition in hepatocellular carcinoma via Akt and COX
Other Notes	Small volumes of anti-HGF antibody vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessa
Searchable Terms for HGF purchase	MBS6381070 is an antibody targeting HGF. Also known as HGF (Hepatocyte Growth Factor, Scatter Factor, SF, Hepatopoeitin A, HGF, HPTA) (FITC).



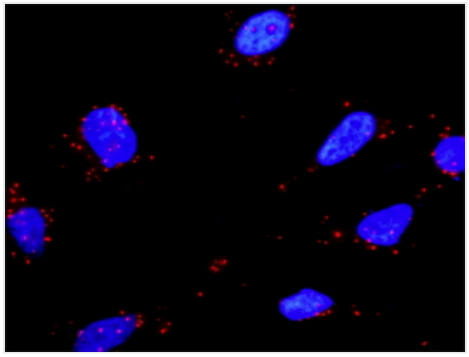
Western Blot (WB) of anti-HGF antibody
Western Blot analysis of HGF expression in mouse testis using 127840.



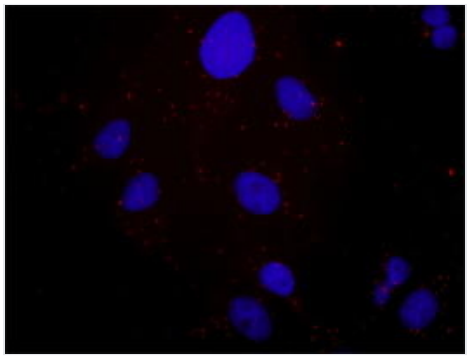
Western Blot (WB) of anti-HGF antibody
Western Blot analysis of HGF expression in Raw 264.7 using 127840.



Western Blot (WB) of anti-HGF antibody
Western Blot analysis of HGF (127840) expression in transfected 293T cell line using 127840. Lane 1: HGF transfected lysate (83.1kD). Lane 2: Non-transfected lysate.



Testing Data of anti-HGF antibody



Testing Data of anti-HGF antibody

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for HGF. It may not necessarily be applicable to this product.

NCBI GI #	33859835
NCBI GeneID	3082
NCBI Accession #	NP_000592.3
UniProt Primary Accession #	P14210
UniProt Secondary Accession #	Q02935; Q13494; Q14519; Q3KRB2; Q8TCE2; Q9BYL9; Q9BYM0; Q9UDU6; A1L3U6
UniProt Related Accession #	P14210
GenBank Nucleotide #	NM_000601
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
UniProt Protein Name	Hepatocyte growth factor
UniProt Synonym Protein Names	Hepatopoietin-A; Scatter factor; SF
Protein Family	Hepatocyte growth factor
UniProt Gene Name	HGF
UniProt Synonym Gene Names	HPTA; SF
UniProt Entry Name	HGF_HUMAN
NCBI Protein Information	hepatocyte growth factor; fibroblast-derived tumor cytotoxic factor; hepatopoeitin-A; hepatopoietin-A; lung fibroblast-derived mitogen
NCBI Summary for HGF	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, tumorogenesis, 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]

UniProt Comments for HGF	HGF: HGF is a potent mitogen for mature parenchymal hepatocyte cells, seems to be an hepatotrophic factor, and acts as growth factor for a broad spectrum of tissues and cell types. It has no detectable protease activity. Activating ligand for the receptor tyrosine kinase MET by binding and promoting its dimerization. Defects in HGF are the cause of deafness autosomal recessive type 39 (DFNB39). 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. Belongs to the peptidase S1 family. Plasminogen subfamily. 6 isoforms of the human protein are produced by alternative splicing. Protein type: Motility/polarity/chemotaxis; Hormone; Cell development/differentiation Chromosomal Location of Human Ortholog: 7q21.1 Cellular Component: extracellular space; membrane; extracellular region Molecular Function: identical protein binding; protein binding; growth factor activity; protein heterodimerization activity; serine-type endopeptidase activity; chemoattractant activity Biological Process: positive regulation of myelination; mitosis; platelet activation; organ regeneration; activation of MAPK activity; myoblast proliferation; hepatocyte growth factor receptor signaling pathway; negative regulation of caspase activity; proteolysis; liver development; positive regulation of phosphoinositide 3-kinase cascade; positive regulation of osteoblast differentiation; positive regulation of peptidyl-tyrosine phosphorylation; positive regulation of angiogenesis; platelet degranulation; positive chemotaxis; epithelial to mesenchymal transition; positive regulation of transcription from RNA polymerase II promoter; blood coagulation; hyaluronan metabolic process; positive regulation of cell migration Disease: Deafness, Autosomal Recessive 39
Research Articles on HGF	**1.** Studies suggest that although serum proto-oncogene proteins c-met (MET) and hepatocyte growth factor (HGF) may serve as predictive biomarkers for MET therapeutics, data do not support their use as pharmacodynamic biomarkers for onartuzumab.
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