

Rabbit HGF Polyclonal Antibody | anti-HGF antibody

HGF antibody - N-terminal region

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA23517	Rabbit	Cow, Dog, Guinea Pig, Horse, Human, Mouse, Pig, Rabbit, Rat, Sheep	Immunohistochemistry, Western Blot

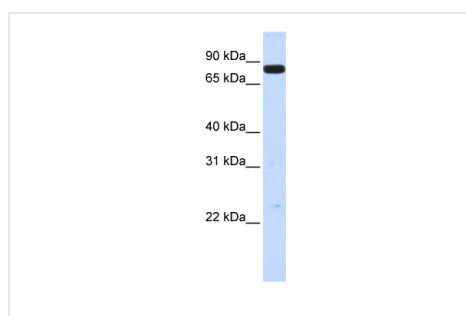
PRODUCT SYNONYMS

HGF; Polyclonal Antibody; HGF antibody - N-terminal region; anti-HGF antibody

PRODUCT SPECIFICATIONS

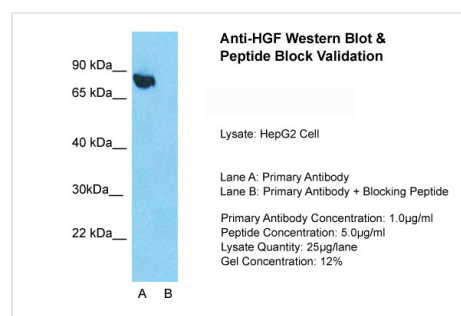
Host	Rabbit
Reactivity	Cow, Dog, Guinea Pig, Horse, Human, Mouse, Pig, Rabbit, Rat, Sheep
Clonality	Polyclonal
Specificity	100% homologous to all 6 isoforms; 1 (83kDa), 2 (34kDa), 3 (83kDa), 4 (35kDa), 5 (33kDa), 6 (24kDa)
Purity/Purification	Affinity Purified
Form/Format	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and may contain up to 2% sucrose.
Sequence	Synthetic peptide with the following sequence: VK KEFGHEFDLY ENKDYIRNCI IGKGRSYKGT VSITKSGIKC QPWSSMIP
Sequence Length	728
Applicable Applications for anti-HGF antibody	IHC (Immunohistochemistry), WB (Western Blot)
Homology	Cow: 100%; Dog: 100%; Guinea Pig: 93%; Horse: 100%; Human: 100%; Mouse: 100%; Pig: 100%; Rabbit: 100%; Rat: 100%; Sheep: 100%
Immunogen	The immunogen is a synthetic peptide directed towards the N terminal region of human HGF
Preparation and Storage	For short term use, store at 2-8 degree C up to 1 week. For long term storage, store at -20 degree C in small aliquots to prevent freeze-thaw cycles.

IMAGES



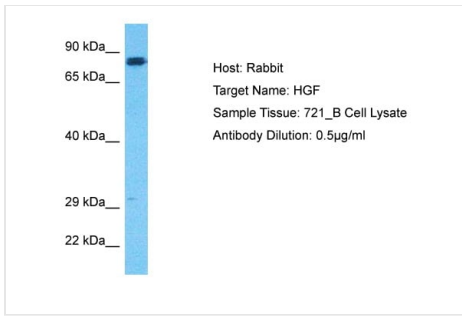
WB (Western Blot)

WB Suggested Anti-HGF Antibody Titration: 0.2-1 ug/ml
 ELISA Titer: 1:312500
 Positive Control: 293T cell lysate
 There is BioGPS gene expression data showing that HGF is expressed in HEK293T



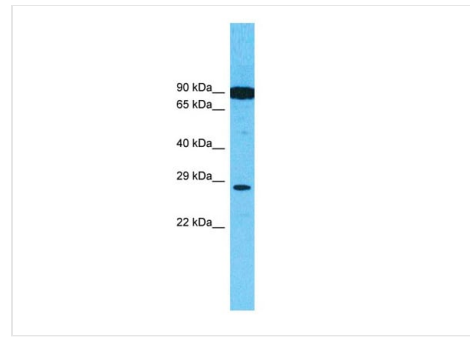
WB (Western Blot)

Host: Rabbit
 Target Name: HGF
 Sample Type: Human HepG2 cell
 Lane A: Primary Antibody
 Lane B: Primary Antibody + Blocking Peptide
 Primary Antibody Concentration: 1.0 ug/ml
 Peptide Concentration: 5.0 ug/ml
 Lysate Quantity: 25 ug/lane
 Gel Concentration: 12%



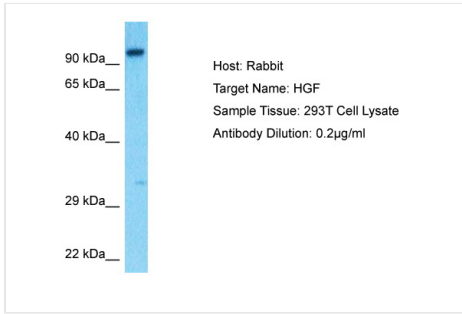
WB (Western Blot)

Host: RabbitTarget Name: HGFSample Type: 721_B Whole Cell lysatesAntibody Dilution: 0.5ug/ml



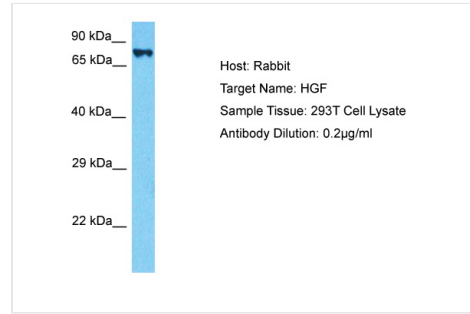
WB (Western Blot)

Host: RabbitTarget Name: HGFSample Type: 721_B Cell lysatesAntibody Dilution: 1.0ug/ml



WB (Western Blot)

Host: RabbitTarget Name: HGFSample Type: 293T Whole Cell lysatesAntibody Dilution: 0.2ug/ml



WB (Western Blot)

Host: RabbitTarget Name: HGFSample Type: 293T Whole Cell lysatesAntibody Dilution: 0.2ug/ml

ADDITIONAL INFORMATION

Related Product Information for anti-HGF antibody

This is a rabbit polyclonal antibody against HGF. It was validated on Western Blot using a cell lysate as a positive control.

Target Description: 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. 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.

Product Categories/Family for anti-HGF antibody

[Polyclonal](#); [Membrane Protein](#); [Developmental Biology](#); [Stem Cells](#); [DNA/RNA/Protein Interactions](#); [Immunohistochemistry](#); [Phosphorylation](#); [Cell Morphogenesis](#)

NCBI AND UNIPROT INFORMATION

NCBI GI #	58533170
NCBI GeneID	3082
NCBI Accession #	NP_001010932
NCBI GenBank Nucleotide #	NM_001010932

UniProt Accession #	P14210
Molecular Weight	83kDa
NCBI Official Full Name	hepatocyte growth factor isoform 3 preproprotein
NCBI Official Synonym Full Names	hepatocyte growth factor
NCBI Official Symbol	HGF
NCBI Official Synonym Symbols	SF; HGFB; HPTA; F-TCF; DFNB39
NCBI Protein Information	hepatocyte growth factor
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.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/hgf-antibody-immunohistochemistry-western-blot-elisa/23517>