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anti-HGF antibody (N-Term)

8 Images

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Publications



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Overview

Quantity:	100 μL
Target:	HGF
Binding Specificity:	N-Term
Reactivity:	Human, Rat, Mouse, Dog, Sheep, Rabbit, Cow, Horse, Guinea Pig, Pig, Zebrafish (Danio rerio)
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This HGF antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (IHC)

Product Details

Immunogen:	The immunogen is a synthetic peptide directed towards the N terminal region of human HGF
Sequence:	VKKEFGHEFD LYENKDYIRN CIIGKGRSYK GTVSITKSGI KCQPWSSMIP
Specificity:	100 % homologous to all 6 isoforms, 1 (83 kDa), 2 (34 kDa), 3 (83 kDa), 4 (35 kDa), 5 (33 kDa), 6 (24 kDa)
Predicted Reactivity:	Cow: 100%, Dog: 100%, Guinea Pig: 93%, Horse: 100%, Human: 100%, Mouse: 100%, Pig: 100%, Rabbit: 100%, Rat: 100%, Sheep: 100%, Zebrafish: 80%
Characteristics:	This is a rabbit polyclonal antibody against HGF. It was validated on Western Blot using a cell lysate as a positive control.
Purification:	Affinity Purified

Target Details

l arget Details	
Target:	HGF
Alternative Name:	HGF (HGF Products)
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, 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. 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.
	Alias Symbols: F-TCF, HGFB, HPTA, SF, DFNB39
	Protein Interaction Partner: ADAMTSL4, MEOX2, MET, F11, ST14, HGFAC, LCN2, KLKB1, VTN,
	PLAU, CLEC3B, SDC1, SDC2, HPN, HGF, FN1, NRP1,
	Protein Size: 728
Molecular Weight:	83 kDa
Gene ID:	3082
NCBI Accession:	NM_001010932, NP_001010932
UniProt:	P14210
Pathways:	RTK Signaling, Carbohydrate Homeostasis, Glycosaminoglycan Metabolic Process, Synaptic
	Membrane, Signaling of Hepatocyte Growth Factor Receptor

Application Details

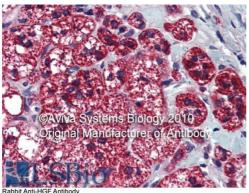
Application Notes:	Optimal working dilutions should be determined experimentally by the investigator.
Comment:	Antigen size: 728 AA
Restrictions:	For Research Use only
Handling	
Format:	Liquid
Concentration:	Lot specific
Buffer:	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09 % (w/v) sodium azide and may contain up to 2 % sucrose.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Handling Advice:	Avoid repeated freeze-thaw cycles.
Storage:	-20 °C
Storage Comment:	For short term use, store at 2-8°C up to 1 week. For long term storage, store at -20°C in small aliquots to prevent freeze-thaw cycles.
Publications	
Product cited in:	Rind, Schmeiser, Thiel, Absmanner, Lübbehusen, Hocks, Apeshiotis, Wilichowski, Lehle, Körner A severe human metabolic disease caused by deficiency of the endoplasmatic

A severe human metabolic disease caused by deficiency of the endoplasmatic mannosyltransferase hALG11 leads to congenital disorder of glycosylation-lp." in: **Human molecular genetics**, Vol. 19, Issue 8, pp. 1413-24, (2010) (PubMed).



Western Blotting

Image 1. 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

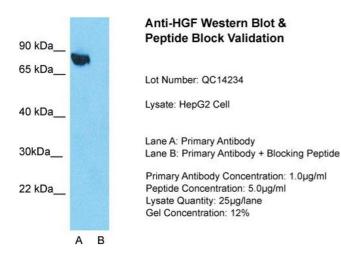


Catalog Number: ARP44317 Lot Number: QC14234

Paraffin Embeded Tissue: Human Adrenal Antibody Concentration: 5.0 µg/ml

Immunohistochemistry

Image 2.



Western Blotting

Image 3. Host: Rabbit

Target Name: HGF

Sample Tissue: Human HepG2 cell

Lane A: Primary Antibody Lane B: Primary Antibody +

Blocking Peptide

Primary Antibody Concentration: 1 µg/mL Peptide

5.0 Concentration: Quantity:.41 μg/mL Lysate

µg/lane/laneGel Concentration: 12 %

Please check the product details page for more images. Overall 8 images are available for ABIN2781816.