

Datasheet for ABIN2458833

anti-HGF antibody

1 Image



Overview

OVEIVIEW	
Quantity:	100 μL
Target:	HGF
Reactivity:	Human, Rat, Mouse, Dog
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This HGF antibody is un-conjugated
Application:	Western Blotting (WB), ELISA
Product Details	
Immunogen:	Antibody produced in rabbits immunized with a synthetic peptide corresponding a region of human HGF.
Purification:	Antibody is purified by peptide affinity chromatography method.
Target 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.

Molecular Weight:	79 kDa
Gene ID:	3082
NCBI Accession:	NP_001010932
UniProt:	P14210
Pathways:	RTK Signaling, Carbohydrate Homeostasis, Glycosaminoglycan Metabolic Process, Synaptic
	Membrane, Signaling of Hepatocyte Growth Factor Receptor

Application Details

Application Notes:	HGF antibody can be used for detection of HGF by ELISA at 1:312500. HGF antibody can be
	used for detection of HGF by western blot at 1 $\mu g/mL$, and HRP conjugated secondary antibody
	should be diluted 1:50,000 - 100,000.
Restrictions:	For Research Use only

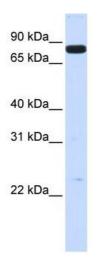
Handling

Format:	Lyophilized
Reconstitution:	Add 50 ?L of distilled water. Final antibody concentration is 1 mg/mL.
Concentration:	1 mg/mL
Buffer:	Antibody is lyophilized in PBS buffer with 2 % sucrose.

Handling

Handling Advice:	As with any antibody avoid repeat freeze-thaw cycles.
Storage:	4 °C/-20 °C
Storage Comment:	For short periods of storage (days) store at 4 °C. For longer periods of storage, store HGF antibody at -20 °C.

Images



Western Blotting

Image 1.