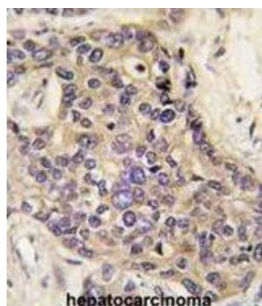
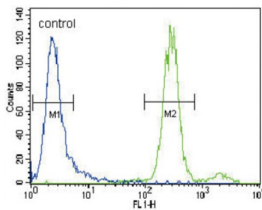


Hepatocyte Growth Factor (HGF) Antibody

Catalogue No.: abx029391



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. Transcript Variant: This variant (1) encodes the longest isoform (1). To date, experimental evidence for cleavage of the proprotein into two mature chains has been shown only for isoform 1.

Target: Hepatocyte Growth Factor (HGF)

Clonality: Polyclonal

Reactivity: Human

Tested Applications: ELISA, WB, IHC, FCM

Datasheet

Version: 2.0.0
Revision date: 25 Feb 2025



Host:	Rabbit
Recommended dilutions:	WB: 1/1000, IHC-P: 1/50 - 1/100, FCM: 1/10 - 1/50. Not tested in IHC-F. Optimal dilutions/concentrations should be determined by the end user.
Conjugation:	Unconjugated
Immunogen:	KLH-conjugated synthetic peptide between 521-554 amino acids from the C-terminal region of human HGF.
Isotype:	IgG
Form:	Liquid
Purification:	Purified through a protein G column, eluted with high and low pH buffers and neutralized immediately, followed by dialysis against PBS.
Storage:	Aliquot and store at -20°C. Avoid repeated freeze/thaw cycles.
UniProt Primary AC:	P14210 (UniProt , ExPASy)
NCBI Accession:	NP_000592.3, NP_001010931.1, NP_001010932.1, NP_001010933.1, NP_001010934.1
KEGG:	hsa:3082
String:	9606.ENSP00000222390
Molecular Weight:	Calculated MW: 83.1 kDa
Buffer:	PBS containing 0.09% sodium azide.
Note:	THIS PRODUCT IS FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC, THERAPEUTIC OR COSMETIC PROCEDURES. NOT FOR HUMAN OR ANIMAL CONSUMPTION.