



Anti-Hepatocyte Growth Factor monoclonal antibody, clone 590DU7.23.7 (DCABY-1158)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Antigen Description	<p>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.</p> <p>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. [provided by RefSeq].</p>
Specificity	This HGF antibody is generated from mice immunized with a KLH conjugated synthetic peptide between 521-554 amino acids from human HGF.
Target	Hepatocyte Growth Factor
Isotype	IgG1
Source/Host	Mouse
Species Reactivity	Human
Clone	590DU7.23.7
Conjugate	Unconjugated
Applications	WB
Molecular Weight	83134 Da

Format	Mouse monoclonal antibody supplied in crude ascites with 0.09% (W/V) sodium azide.
Size	100 µl
Preservative	0.09% Sodium Azide
Storage	Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.
Ship	Blue ice

GENE INFORMATION

Gene Name	HGF hepatocyte growth factor (hepapoietin A; scatter factor) [Homo sapiens (human)]
Official Symbol	HGF
Synonyms	HGF; HPTA; Hepatocyte growth factor; Hepatopoietin-A; Scatter factor; Hepatocyte growth factor alpha chain; Hepatocyte growth factor beta chain
Entrez Gene ID	3082
Protein Refseq	NP_000592
UniProt ID	P14210
Chromosome Location	7q21.1
Pathway	Arf6 signaling events; Cytokine Signaling in Immune system; Cytokine-cytokine receptor interaction; Direct p53 effectors; FGF signaling pathway; Focal Adhesion; Focal adhesion; Hemostasis;
Function	chemoattractant activity; growth factor activity; identical protein binding; protein binding; protein heterodimerization activity; NOT serine-type endopeptidase activity