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anti-HGF antibody (AA 521-554)

2 Images



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Quantity:	400 μL
Target:	HGF
Binding Specificity:	AA 521-554
Reactivity:	Human
Host:	Mouse
Clonality:	Monoclonal
Application:	Western Blotting (WB)
Product Details	
Immunogen:	This HGF antibody is generated from mice immunized with a KLH conjugated synthetic peptide
	between 521-554 amino acids from human HGF.
Clone:	489CT6-12-6
Isotype:	lgG1
Purification:	This antibody is purified through a protein G column, followed by dialysis against PBS.
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

$\hbox{cytokine on cells of mainly epithelial origin. Its ability to stimulate mitogenesis, cell motility, and }$		
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. [provided by RefSeq].		

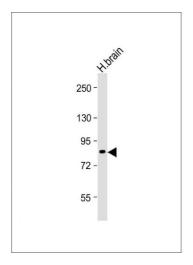
	produces multiple transcript variants encoding different isoforms. [provided by RefSeq].
Molecular Weight:	83134
Gene ID:	3082
NCBI Accession:	NP_000592, NP_001010931, NP_001010932, NP_001010933, NP_001010934
UniProt:	P14210
Pathways:	RTK Signaling, Carbohydrate Homeostasis, Glycosaminoglycan Metabolic Process, Synaptic
	Membrane, Signaling of Hepatocyte Growth Factor Receptor

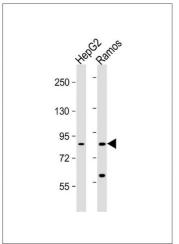
Application Details

Application Notes:	WB: 1:1000. WB: 1:4000
Restrictions:	For Research Use only

Handling

Format:	Liquid
Buffer:	Purified monoclonal antibody supplied in PBS with 0.09 % (W/V) sodium azide.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	4 °C,-20 °C
Storage Comment:	HGF Antibody can be refrigerated at 2-8 °C for up to 6 months. For long term storage, keep at -20 °C.
Expiry Date:	6 months





Western Blotting

Image 1. Anti-Human HGF C-term at 1:4000 dilution + Human brain lysate Lysates/proteins at 20 μg per lane. Secondary Goat Anti-mouse IgG, (H+L), Peroxidase conjugated at 1/10000 dilution. Predicted band size: 83 kDa Blocking/Dilution buffer: 5 % NFDM/TBST.

Western Blotting

Image 2. All lanes: Anti-Human HGF C-term at 1:1000 dilution Lane 1: HepG2 whole cell lysate Lane 2: Ramos whole cell lysate Lysates/proteins at 20 µg per lane. Secondary Goat Anti-mouse IgG, (H+L), Peroxidase conjugated at 1/10000 dilution. Predicted band size: 83 kDa Blocking/Dilution buffer: 5 % NFDM/TBST.