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anti-HGF antibody (AA 30-285)





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Quantity:	100 μL	
Target:	HGF	
Binding Specificity:	AA 30-285	
Reactivity:	Human	
Host:	Rabbit	
Clonality:	Polyclonal	
Conjugate:	This HGF antibody is un-conjugated	
Application:	Western Blotting (WB), Immunohistochemistry (IHC), Immunofluorescence (IF)	
Product Details		
Immunogen:	Recombinant fusion protein containing a sequence corresponding to amino acids 30-285 of	
	human HGF (NP_001010933.1).	
Sequence:	EGQRKRRNTI HEFKKSAKTT LIKIDPALKI KTKKVNTADQ CANRCTRNKG LPFTCKAFVF	
	DKARKQCLWF PFNSMSSGVK KEFGHEFDLY ENKDYIRNCI IGKGRSYKGT VSITKSGIKC	
	QPWSSMIPHE HSYRGKDLQE NYCRNPRGEE GGPWCFTSNP EVRYEVCDIP QCSEVECMTC	
	NGESYRGLMD HTESGKICQR WDHQTPHRHK FLPERYPDKG FDDNYCRNPD GQPRPWCYTL	
	DPHTRWEYCA IKTCET	
Isotype:	IgG	
Cross-Reactivity:	Human, Mouse, Rat	
Characteristics:	Polyclonal Antibodies	
Purification:	Affinity purification	

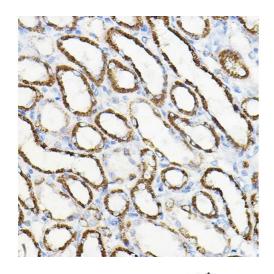
Target Details

Target:	HGF		
Alternative Name:	HGF (HGF Products)		
Background:	This gene encodes a protein that binds to the hepatocyte growth factor receptor to regulate cell		
	growth, cell motility and morphogenesis in numerous cell and tissue types. Alternative splicing		
	results in multiple transcript variants, at least one of which encodes a preproprotein that is		
	proteolytically processed to generate alpha and beta chains, which form the mature		
	heterodimer. This protein is secreted by mesenchymal cells and acts as a multi-functional		
	cytokine on cells of mainly epithelial origin. This protein also plays a role in angiogenesis,		
	tumorogenesis, and tissue regeneration. Although the encoded protein is a member of the		
	peptidase S1 family of serine proteases, it lacks peptidase activity. Mutations in this gene are		
	associated with nonsyndromic hearing loss.,HGF,DFNB39,F-		
	TCF,HGFB,HPTA,SF,Cancer,Invasion and Metastasis,Signal Transduction,Cell Biology &		
	Developmental Biology,Growth factor,Cardiovascular,Angiogenesis,Angiogenic growth		
	factors,HGF		
Molecular Weight:	24 kDa/33 kDa/34 kDa/82 kDa/83 kDa		
Gene ID:	3082		
UniProt:	P14210		
Pathways:	RTK Signaling, Carbohydrate Homeostasis, Glycosaminoglycan Metabolic Process, Synaptic		
	Membrane, Signaling of Hepatocyte Growth Factor Receptor		
Application Details			
Application Notes:	WB,1:500 - 1:2000,IHC,1:50 - 1:200,IF,1:50 - 1:200		
Restrictions:	For Research Use only		
Handling			
Format:	Liquid		
Buffer:	PBS with 0.02 % sodium azide,50 % glycerol, pH 7.3.		
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 freeze / thaw cycles		

Storage:	-20 °C

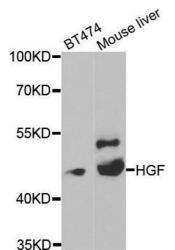
Storage Comment: Store at -20°C. Avoid freeze / thaw cycles.

Images



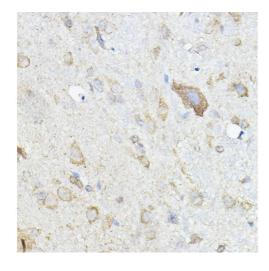
Immunohistochemistry

Image 1. Immunohistochemistry of paraffin-embedded rat kidney using HGF Rabbit pAb (ABIN3021682, ABIN3021683, ABIN3021684 and ABIN6215504) at dilution of 1:100 (40x lens). Perform high pressure antigen retrieval with 10 mM citrate buffer pH 6.0 before commencing with IHC staining protocol.



Western Blotting

Image 2. Western blot analysis of extracts of various cell lines, using HGF antibody.



Immunohistochemistry

Image 3. Immunohistochemistry of paraffin-embedded mouse spinal cord using HGF Rabbit pAb (ABIN3021682, ABIN3021683, ABIN3021684 and ABIN6215504) at dilution of 1:100 (40x lens).Perform high pressure antigen retrieval with 10 mM citrate buffer pH 6.0 before commencing with IHC staining protocol.