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anti-BMP5 antibody (N-Term)

Images

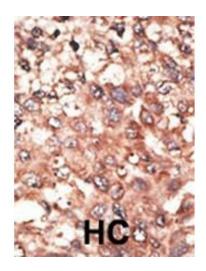


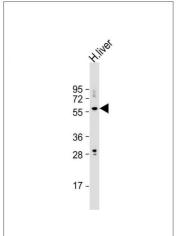
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Overview		
Quantity:	400 μL	
Target:	BMP5	
Binding Specificity:	AA 16-46, N-Term	
Reactivity:	Human	
Host:	Rabbit	
Clonality:	Polyclonal	
Conjugate:	This BMP5 antibody is un-conjugated	
Application:	Western Blotting (WB), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p))	
Product Details		
Immunogen:	This Bmp5 antibody is generated from rabbits immunized with a KLH conjugated synthetic	
	peptide between 16-46 amino acids from the N-terminal region of human Bmp5.	
Clone:	RB1859	
Isotype:	Ig Fraction	
Predicted Reactivity:	M	
Purification:	This antibody is prepared by Saturated Ammonium Sulfate (SAS) precipitation followed by	
	dialysis against PBS.	
Target Details		
Target:	BMP5	

Target Details

Alternative Name:	Bmp5 (BMP5 Products)			
Background:	Bmp5 is a member of the bone morphogenetic protein family which is part of the transforming			
	growth factor-beta superfamily. The superfamily includes large families of growth and			
	differentiation factors. Bone morphogenetic proteins were originally identified by an ability of			
	demineralized bone extract to induce endochondral osteogenesis in vivo in an extraskeletal site			
	These proteins are synthesized as prepropeptides, cleaved, and then processed into dimeric			
	proteins. This protein may act as an important signaling molecule within the trabecular			
	meshwork and optic nerve head, and may play a potential role in glaucoma pathogenesis. This			
	gene is differentially regulated during the formation of various tumors.			
Molecular Weight:	51737			
Gene ID:	653			
NCBI Accession:	NP_066551			
UniProt:	P22003			
Pathways:	Regulation of Hormone Metabolic Process, Regulation of Hormone Biosynthetic Process			
Application Details				
Application Notes:	WB: 1:1000. IHC-P: 1:50~100			
Restrictions:	For Research Use only			
Handling				
Format:	Liquid			
Buffer:	Purified polyclonal 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:	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.			
Expiry Date:	6 months			





Immunohistochemistry (Paraffin-embedded Sections)

Image 1. Formalin-fixed and paraffin-embedded human cancer tissue reacted with the primary antibody, which was peroxidase-conjugated to the secondary antibody, followed by AEC staining. This data demonstrates the use of this antibody for immunohistochemistry, clinical relevance has not been evaluated. BC = breast carcinoma, HC = hepatocarcinoma.

Western Blotting

Image 2. Anti-Bmp5 Antibody (N-term) at 1:1000 dilution + human liver lysate Lysates/proteins at 20 μg per lane. Secondary Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/10000 dilution. Predicted band size : 52 kDa Blocking/Dilution buffer: 5 % NFDM/TBST.