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## anti-GDF5 antibody (N-Term)

2 Images



Publication



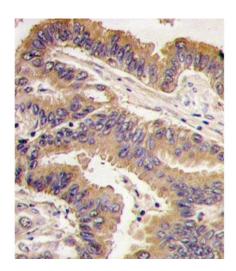
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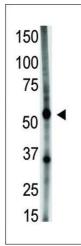
Overview	
Quantity:	400 μL
Target:	GDF5
Binding Specificity:	AA 13-41, N-Term
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This GDF5 antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p))
Product Details	
Immunogen:	This GDF5 antibody is generated from rabbits immunized with a KLH conjugated synthetic
	peptide between 13-41 amino acids from the N-terminal region of human GDF5.
Clone:	RB01877
Isotype:	lg Fraction
Purification:	This antibody is prepared by Saturated Ammonium Sulfate (SAS) precipitation followed by
	dialysis against PBS.
Target Details	
Target:	GDF5
Alternative Name:	GDF5 (GDF5 Products)

### Target Details

Background:	GDF5 is a member of the bone morphogenetic protein (BMP) family and the TGF-beta superfamily. This group of proteins is characterized by a polybasic proteolytic processing site which is cleaved to produce a mature protein containing seven conserved cysteine residues. The members of this family are regulators of cell growth and differentiation in both embryonic and adult tissues. Mutations in this gene are associated with acromesomelic dysplasia, Hunter-Thompson type, brachydactyly, type C, and chondrodysplasia, Grebe type. These associations
	confirm that the gene product plays a role in skeletal development.
Molecular Weight:	55411
Gene ID:	8200
NCBI Accession:	NP_000548
UniProt:	P43026
Application Details	
Application Notes:	WB: 1:1000. IHC-P: 1:10~50
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
Publications	
Product cited in:	Lei, Chen, Huang, Wu, Lin, Lai: "Proteomic analysis of the effect of extracellular calcium ions on human mesenchymal stem cells: Implications for bone tissue engineering." in: <b>Chemico-biological interactions</b> , Vol. 233, pp. 139-46, (2015) (PubMed).

#### **Images**





#### **Immunohistochemistry (Paraffin-embedded Sections)**

**Image 1.** Formalin-fixed and paraffin-embedded human lung carcinoma tissue reacted with GDF5 antibody (N-term), which was peroxidase-conjugated to the secondary antibody, followed by DAB staining. This data demonstrates the use of this antibody for immunohistochemistry, clinical relevance has not been evaluated.

#### **Western Blotting**

**Image 2.** The anti-GDF5 N-term Pab (ABIN388820 and ABIN2839138) is used in Western blot to detect GDF5 in A549 cell lysate.