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## anti-GDF2 antibody (N-Term)

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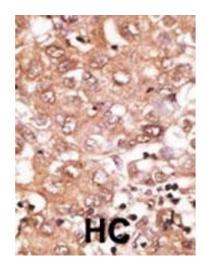
Overview	
Quantity:	400 μL
Target:	GDF2
Binding Specificity:	AA 8-37, N-Term
Reactivity:	Human, Mouse
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This GDF2 antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p))
Product Details	
Immunogen:	This BMP9 (GDF2) antibody is generated from rabbits immunized with a KLH conjugated
	synthetic peptide between 8-37 amino acids from the N-terminal region of human BMP9 (GDF2).
Clone:	RB2206
Isotype:	Ig Fraction
Purification:	This antibody is prepared by Saturated Ammonium Sulfate (SAS) precipitation followed by
	dialysis against PBS.
Target Details	
Target:	GDF2
Alternative Name:	BMP9 (GDF2) (GDF2 Products)

## **Target Details**

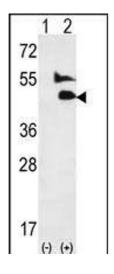
o .	
Background:	GDF2 is a member of the bone morphogenetic protein (BMP) family and the TGF-beta superfamily. This group of proteins is characterized by a polybasic proteolytic processing site
	which is cleaved to produce a mature protein containing seven conserved cysteine residues.
	The members of this family are regulators of cell growth and differentiation in both embryonic
	and adult tissues. Studies in rodents suggest that this protein plays a role in the adult liver and
	in differentiation of cholinergic central nervous system neurons.
Molecular Weight:	47320
Gene ID:	2658
NCBI Accession:	NP_057288
UniProt:	Q9UK05
Pathways:	Transition Metal Ion Homeostasis
Application Details	
Application Notes:	WB: 1:1000. 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 smal
	aliquots to prevent freeze-thaw cycles.
Expiry Date:	6 months
Publications	
Product cited in:	
Product cited in:	Hedlund, Karlsson, Osborn, Ludwig, Isacson: "Global gene expression profiling of somatic motor

and protection." in: **Brain: a journal of neurology**, Vol. 133, Issue Pt 8, pp. 2313-30, (2010) (PubMed).

## **Images**



## 150 100 -75 50 ◀ 37 25 20 15



## **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 DAB 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.** The anti-hGDF2 N-term Pab (ABIN388817 and ABIN2839135) is used in Western blot to detect hGDF2 in mouse liver tissue lysate.

#### **Western Blotting**

**Image 3.** Western blot analysis of GDF2 (arrow) using rabbit polyclonal GDF2-K23 (ABIN388817 and ABIN2839135). 293 cell lysates (2  $\mu$ g/lane) either nontransfected (Lane 1) or transiently transfected (Lane 2) with the GDF2 gene.