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BMP9 (GDF2) Antibody (N-term)

Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP2064b

Product Information

Application	WB, E
Primary Accession	Q9UK05
Reactivity	Human
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Clone Names	RB2231
Calculated MW	47320

Additional Information

Gene ID	2658
Other Names	Growth/differentiation factor 2, GDF-2, Bone morphogenetic protein 9, BMP-9, GDF2, BMP9
Target/Specificity	This BMP9 (GDF2) antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide selected from the N-terminal region of human GDF2.
Dilution	WB~~1:1000 E~~Use at an assay dependent concentration.
Format	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is prepared by Saturated Ammonium Sulfate (SAS) precipitation followed by dialysis against PBS.
Storage	Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.
Precautions	BMP9 (GDF2) Antibody (N-term) is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

Name	GDF2
Synonyms	BMP9
Function	Potent circulating inhibitor of angiogenesis. Signals through the type I activin receptor ACVRL1 but not other Alks. Signaling through SMAD1 in endothelial cells requires TGF-beta coreceptor endoglin/ENG.

Cellular Location	Secreted
Tissue Location	Detected in blood plasma (at protein level).

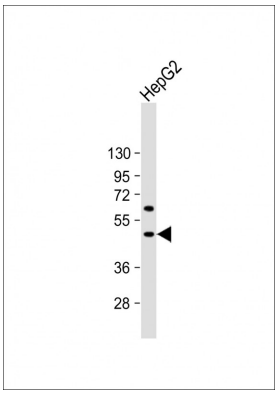
Background

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.

References

Majumdar, M.K., et al., J. Cell. Physiol. 189(3):275-284 (2001).
Lopez-Coviella, I., et al., Science 289(5477):313-316 (2000).
Miller, A.F., et al., J. Biol. Chem. 275(24):17937-17945 (2000).

Images



Anti-BMP9 (GDF2) Antibody (N-term) at 1:1000 dilution + HepG2 whole cell lysate Lysates/proteins at 20 µg per lane. Secondary Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/10000 dilution. Predicted band size : 47 kDa Blocking/Dilution buffer: 5% NFDM/TBST.