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GDF1 Antibody (N-term)

Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP2063a

Product Information

Application	WB, IHC-P, E
Primary Accession	P27539
Reactivity	Human
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Clone Names	RB1872
Calculated MW	39475
Antigen Region	30-59

Additional Information

Gene ID	2657
Other Names	Embryonic growth/differentiation factor 1, GDF-1, GDF1
Target/Specificity	This GDF1 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 30-59 amino acids from the N-terminal region of human GDF1.
Dilution	WB~~1:1000 IHC-P~~1:100~500 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	GDF1 Antibody (N-term) is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

Name	GDF1
Function	May mediate cell differentiation events during embryonic development.
Cellular Location	Secreted.
Tissue Location	Expressed in the brain.

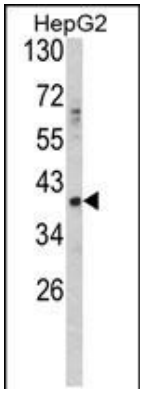
Background

GDF1 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 is involved in the establishment of left-right assymetry in early embryogenesis and in neural development in later embryogenesis. This protein is transcribed from a bicistronic mRNA which also encodes the longevity assurance gene.

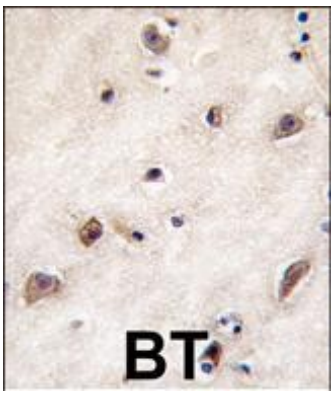
References

Ducy, P., et al., Kidney Int. 57(6):2207-2214 (2000). Jiang, J.C., et al., Genome Res. 8(12):1259-1272 (1998). Polymeropoulos, M.H., et al., Nat. Genet. 4(4):381-386 (1993). Lee, S.J., Proc. Natl. Acad. Sci. U.S.A. 88(10):4250-4254 (1991).

Images



Western blot analysis of GDF1 Antibody (N-term) (Cat. #AP2063a) in HepG2 cell line lysates (35ug/lane). GDF1 (arrow) was detected using the purified Pab.



Formalin-fixed and paraffin-embedded human brain tissue reacted with GDF1 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.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.