

Rabbit anti-Human GDF1 Polyclonal Antibody | anti-GDF1 antibody

GDF1 Antibody (N-term)

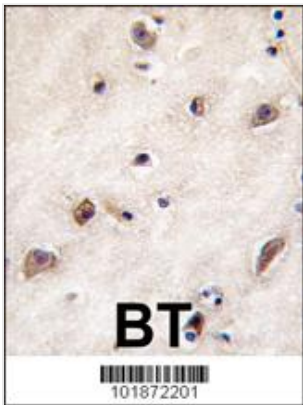
CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA288288	Rabbit	Human	Immunohistochemistry, ELISA, Western Blot

PRODUCT SYNONYMS

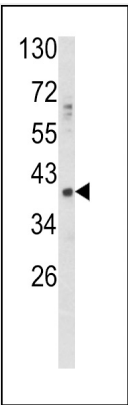
GDF1; Polyclonal Antibody; GDF1 Antibody (N-term); Embryonic growth/differentiation factor 1; GDF-1; anti-GDF1 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Isotype	Rabbit Ig
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.
Purity/Purification	Purified Rabbit Polyclonal Antibody (Pab)
Form/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.
Concentration	Vial Concentration: 2 (varies by lot)
Sequence Positions	30-59
Sequence Length	372
Applicable Applications for anti-GDF1 antibody	IHC (Immunohistochemistry), ELISA, WB (Western Blot)
Antigen Type	Synthetic Peptide
Antigen Source	HUMAN
Preparation and Storage	Maintain refrigerated at 2-8 degree C for up to 6 months. For long term storage store at -20 degree C in small aliquots to prevent freeze-thaw cycles.



IHC (Immunohistochemistry)
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.



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

ADDITIONAL INFORMATION

Related Product Information for anti-GDF1 antibody	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.
Product Categories/Family for anti-GDF1 antibody	Cardiovascular; Signal Transduction
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).

NCBI AND UNIPROT INFORMATION

NCBI GI #	110349792
NCBI GeneID	2657
NCBI Accession #	NP_001483.3
NCBI GenBank Nucleotide #	NM_001492.5
UniProt Accession #	P27539; O43344
Molecular Weight	39475
NCBI Official Full Name	embryonic growth/differentiation factor 1
NCBI Official Synonym Full Names	growth differentiation factor 1
NCBI Official Symbol	GDF1
NCBI Official Synonym Symbols	RAI; DORV; DTGA3
NCBI Protein Information	embryonic growth/differentiation factor 1
UniProt Protein Name	Embryonic growth/differentiation factor 1
UniProt Gene Name	GDF1

UniProt Synonym Gene Names	GDF-1
UniProt Entry Name	GDF1_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://www.aaabiotech.com/polyclonal/gdf1-antibody-immunohistochemistry-western-blot-elisa/288288>