

Rabbit GDF5 Polyclonal Antibody | anti-GDF5 antibody

GDF5 Antibody (C-term)

CATALOG # AAA285957	HOST Rabbit	REACTIVITY Human (Predicted Reactivity: Mouse)	APPLICATIONS Immunohistochemistry, ELISA, Western Blot
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PRODUCT SYNONYMS

GDF5; Polyclonal Antibody; GDF5 Antibody (C-term); Growth/differentiation factor 5; GDF-5; Bone morphogenetic protein 14; BMP-14; Cartilage-derived morphogenetic protein 1; CDMP-1; Lipopolysaccharide-associated protein 4; LAP-4; LPS-associated protein 4; Radotermis; BMP14; CDMP1; anti-GDF5 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human (Predicted Reactivity: Mouse)
Clonality	Polyclonal
Isotype	Rabbit Ig
Specificity	This GDF5 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 343-371 amino acids from the C-terminal region of human GDF5.
Purity/Purification	Peptide Affinity Purified Rabbit Polyclonal Antibody (Pab)
Form/Format	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.
Concentration	Vial Concentration: 0.5 (varies by lot)
Sequence Positions	343-371
Sequence Length	501
Applicable Applications for anti-GDF5 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.

IMAGES



IHC (Immunohistochemistry)

GDF5 Antibody (C-term) immunohistochemistry analysis in formalin fixed and paraffin embedded human stomach tissue followed by peroxidase conjugation of the secondary antibody and DAB staining. This data demonstrates the use of GDF5 Antibody (C-term) for immunohistochemistry. Clinical relevance has not been evaluated.



WB (Western Blot)

GDF5 Antibody (C-term) western blot analysis in MDA-MB435 cell line lysates (35ug/lane). This demonstrates the GDF5 antibody detected the GDF5 protein (arrow).

ADDITIONAL INFORMATION

Related Product Information for anti-GDF5 antibody	The protein encoded by this gene 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.
Product Categories/Family for anti-GDF5 antibody	Cardiovascular; Signal Transduction
References	Posthumus, M., et al. Rheumatology (Oxford) 49(11):2090-2097(2010) Rouault, K., et al. Osteoarthr. Cartil. 18(9):1144-1149(2010) Zintzaras, E., et al. Am. J. Epidemiol. 171(8):851-858(2010) Davila, S., et al. Genes Immun. 11(3):232-238(2010) Zhao, J., et al. BMC Med. Genet. 11, 96 (2010) :

NCBI AND UNIPROT INFORMATION

NCBI GI #	4503969
NCBI GeneID	8200
NCBI Accession #	NP_000548.1
NCBI GenBank Nucleotide #	NM_000557.3
UniProt Accession #	P43026; Q96SB1; E1P5Q2
Molecular Weight	55411
NCBI Official Full Name	growth/differentiation factor 5 preproprotein
NCBI Official Synonym Full Names	growth differentiation factor 5
NCBI Official Symbol	GDF5
NCBI Official Synonym Symbols	OS5; LAP4; BDA1C; BMP14; CDMP1; LAP-4; SYM1B; SYNS2; BMP-14
NCBI Protein Information	growth/differentiation factor 5
UniProt Protein Name	Growth/differentiation factor 5
UniProt Gene Name	GDF5
UniProt Synonym Gene Names	BMP14; CDMP1; GDF-5; BMP-14; CDMP-1; LAP-4; LPS-associated protein 4
UniProt Entry Name	GDF5_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.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: <https://stage.aaabiotech.com/polyclonal/gdf5-antibody-immunohistochemistry-western-blot-elisa/285957>