

Product datasheet for **AP11944PU-N**

GDF 5 (GDF5) (N-term) Rabbit Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	IHC, WB
Recommended Dilution:	ELISA: 1/1,000. Western blot: 1/100-1/500. Immunohistochemistry: 1/10-1/50.
Reactivity:	Human
Host:	Rabbit
Isotype:	Ig
Clonality:	Polyclonal
Immunogen:	This antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide selected from the N-terminal region of human GDF5.
Specificity:	This antibody detects GDF5 at N-term.
Formulation:	PBS with 0.09% (W/V) Sodium Azide as preservative. State: Purified State: Liquid Ig fraction
Concentration:	lot specific
Purification:	Protein G Chromatography, eluted with high and low pH buffers and neutralized immediately, followed by dialysis against PBS
Conjugation:	Unconjugated
Storage:	Store the antibody undiluted at 2-8°C for one month or (in aliquots) at -20°C for longer. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
Gene Name:	growth differentiation factor 5
Database Link:	Entrez Gene 8200 Human P43026



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Background:

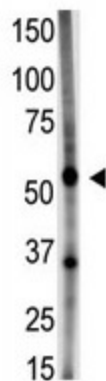
GDF5 is a member of the bone morphogenetic protein (BMP) family and the TGF-beta superfamily. This group of proteins is characterized by a polybasic proteolytic processing site which is cleaved to produce a mature protein containing seven conserved cysteine residues. The members of this family are regulators 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.

Synonyms:

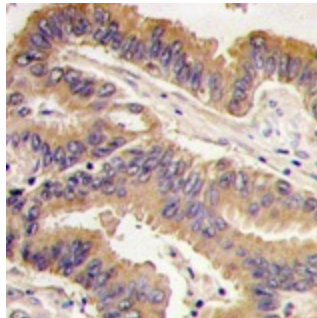
Bone Morphogenetic Protein 14, GDF-5, CDMP1, Radotermin

Note:

Calculated Molecular weight: 55410 Da

Product images:

The anti-GDF5 N-term is used in Western blot to detect GDF5 in A549 cell lysate.



Formalin-fixed and paraffin-embedded human lung carcinoma tissue reacted with GDF5 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.