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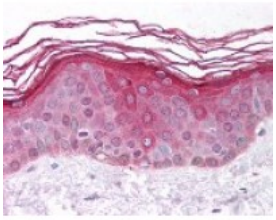
ProSci Incorporated
12170 Flint Place
Poway, CA 92064

Toll Free: +1 (888) 513 9525
Local: +1 (858) 513 2638
Fax: +1 (858) 513 2692

techsupport@prosci-inc.com

GDF5 Antibody

CATALOG NUMBER: 49-672



Immunohistochemistry staining of GDF5 in skin tissue using GDF5 Antibody.

Specifications

SPECIES REACTIVITY:	Human
TESTED APPLICATIONS:	ELISA, IHC
APPLICATIONS:	GDF5 antibody can be used in ELISA, Western Blot, immunohistochemistry starting at 1:500, immunofluorescence, and immunoprecipitation.
USER NOTE:	Optimal dilutions for each application to be determined by the researcher.
IMMUNOGEN:	Amino acids 28 to 41 of human GDF5
HOST SPECIES:	Rabbit

Properties

PURIFICATION:	Protein G Column
PHYSICAL STATE:	Liquid
BUFFER:	PBS, 0.09% sodium azide.
STORAGE CONDITIONS:	GDF5 antibody should be stored long term (months) at -20 ˚C and short term (weeks) at 4 ˚C. As with all antibodies avoid freeze/thaw cycles.
CLONALITY:	Polyclonal
CONJUGATE:	Unconjugated

Additional Info

ALTERNATE NAMES:	GDF5, CDMP-1, CDMP1, GDF-5, LAP4, Radotermin, OS5, BMP14, SYNS2
ACCESSION NO.:	P43026
PROTEIN GI NO.:	20141384
OFFICIAL SYMBOL:	GDF5
GENE ID:	8200

Background

BACKGROUND:	The protein encoded by this gene is a member of the bone morphogenetic protein (BMP) family and the TGF-β 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.