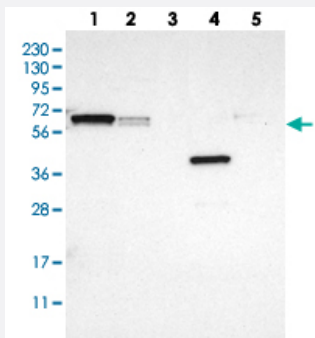


GDF5 polyclonal antibody

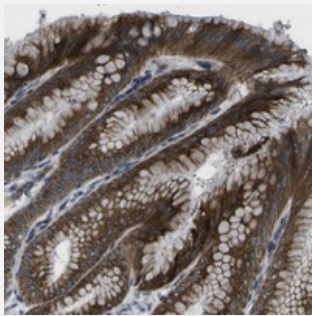
Catalog # PAB20833 Size 100 uL

Applications



Western Blot

Western blot analysis of Lane 1: RT-4, Lane 2: U-251 MG, Lane 3: Human Plasma, Lane 4: Liver, Lane 5: Tonsil with GDF5 polyclonal antibody (Cat # PAB20833).



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

Immunohistochemical staining of human stomach with GDF5 polyclonal antibody (Cat # PAB20833) shows strong cytoplasmic positivity in glandular cells.

Specification

Product Description	Rabbit polyclonal antibody raised against recombinant GDF5.
Immunogen	Recombinant protein corresponding to amino acids of human GDF5.
Sequence	RYVFDISALEKDGLLGAELRLRKKPSDTAKPAAPGGGAAQLKLSSCPSGRQPASLLDVRSVPG LDGSGWEVFDIWKLFNRNFKNSAQLCLELEAWERGRAVDL
Host	Rabbit
Reactivity	Human
Form	Liquid

Purification	Antigen affinity purification
Isotype	IgG
Recommend Usage	Western Blot (1:250-1:500) The optimal working dilution should be determined by the end user.
Storage Buffer	In PBS, pH 7.2 (40% glycerol, 0.02% sodium azide)
Storage Instruction	Store at 4°C. For long term storage store at -20°C. Aliquot to avoid repeated freezing and thawing.
Note	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Applications

- Western Blot

Western blot analysis of Lane 1: RT-4, Lane 2: U-251 MG, Lane 3: Human Plasma, Lane 4: Liver, Lane 5: Tonsil with GDF5 polyclonal antibody (Cat # PAB20833).

- Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

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Gene Info — GDF5

Entrez GeneID	8200
Protein Accession#	P43026
Gene Name	GDF5
Gene Alias	BMP14, CDMP1, LAP4, SYNS2
Gene Description	growth differentiation factor 5
Omim ID	112600 113100 165720 185800 200700 201250 228900 601146 610017
Gene Ontology	Hyperlink

Gene Summary

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. [provided by RefSeq]

Other Designations

OTTHUMP00000030755|OTTHUMP00000061644|cartilage-derived morphogenetic protein-1

Pathway

- [Cytokine-cytokine receptor interaction](#)
- [TGF-beta signaling pathway](#)

Disease

- [Diabetes Mellitus](#)
- [Disease Susceptibility](#)
- [Fractures](#)
- [Genetic Predisposition to Disease](#)
- [Hip Dislocation](#)
- [Osteoarthritis](#)