

Product datasheet for **TA343293**

GDF 5 (GDF5) Rabbit Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	WB
Recommended Dilution:	WB
Reactivity:	Human, Mouse
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Immunogen:	The immunogen for anti-GDF5 antibody is: synthetic peptide directed towards the C-terminal region of GDF5. Synthetic peptide located within the following region: YLFSQRRKRRAPLATRQGKRPSKNLKRCSRKALHVNFKDMGWDDWIIAP
Formulation:	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose. <i>Note that this product is shipped as lyophilized powder to China customers.</i>
Conjugation:	Unconjugated
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Predicted Protein Size:	55 kDa
Gene Name:	growth differentiation factor 5
Database Link:	NP_000548 Entrez Gene 14563 Mouse Entrez Gene 8200 Human P43026
Background:	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.



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Synonyms:	BDA1C; BMP-14; BMP14; CDMP1; LAP-4; LAP4; OS5; SYM1B; SYNS2
Note:	Immunogen Sequence Homology: Rat: 100%; Human: 100%; Rabbit: 100%; Dog: 93%; Pig: 93%; Horse: 93%; Mouse: 93%; Bovine: 93%; Guinea pig: 93%
Protein Families:	Adult stem cells, Cancer stem cells, Druggable Genome, Embryonic stem cells, ES Cell Differentiation/IPS, Secreted Protein, Stem cell relevant signaling - TGFb/BMP signaling pathway
Protein Pathways:	Cytokine-cytokine receptor interaction, TGF-beta signaling pathway

Product images:

WB Suggested Anti-GDF5 Antibody; Titration: 1.0 ug/ml; Positive Control: Placenta