

## Rabbit GDF5 Polyclonal Antibody | anti-GDF5 antibody

GDF5 Antibody - C-terminal region

|                               |                       |                                                                             |                                     |
|-------------------------------|-----------------------|-----------------------------------------------------------------------------|-------------------------------------|
| CATALOG #<br><b>AAA201182</b> | HOST<br><b>Rabbit</b> | REACTIVITY<br><b>Cow, Dog, Guinea Pig, Horse, Human, Mouse, Rabbit, Rat</b> | APPLICATIONS<br><b>Western Blot</b> |
|-------------------------------|-----------------------|-----------------------------------------------------------------------------|-------------------------------------|

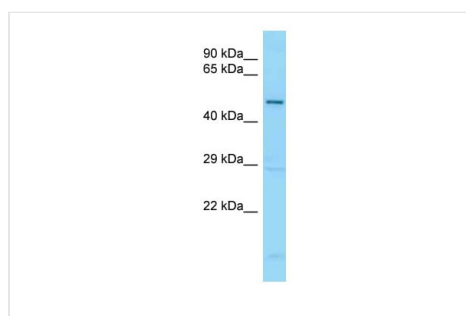
### PRODUCT SYNONYMS

GDF5; Polyclonal Antibody; GDF5 Antibody - C-terminal region; anti-GDF5 antibody

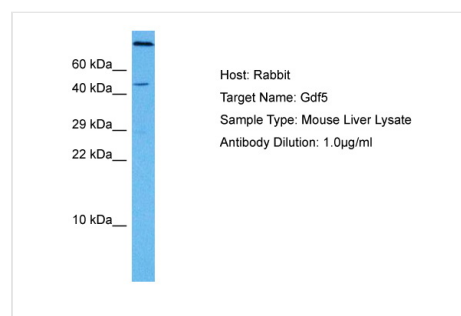
### PRODUCT SPECIFICATIONS

|                                                |                                                                                                                                                       |
|------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------|
| Host                                           | Rabbit                                                                                                                                                |
| Reactivity                                     | Cow, Dog, Guinea Pig, Horse, Human, Mouse, Rabbit, Rat                                                                                                |
| Clonality                                      | Polyclonal                                                                                                                                            |
| Purity/Purification                            | Affinity Purified                                                                                                                                     |
| Form/Format                                    | Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose.                                                     |
| Sequence                                       | Synthetic peptide with the following region: YLFSQRRKRRAPLATRQGKRPSKNLKARCSRKALHVNFKDMGWDDWIAP                                                        |
| Sequence Length                                | 501                                                                                                                                                   |
| Applicable Applications for anti-GDF5 antibody | WB (Western Blot)                                                                                                                                     |
| Homology                                       | Cow: 93%; Dog: 93%; Guinea Pig: 93%; Horse: 93%; Human: 100%; Mouse: 93%; Rabbit: 100%; Rat: 100%                                                     |
| Immunogen                                      | The immunogen is a synthetic peptide directed towards the C-terminal region of GDF5                                                                   |
| Preparation and Storage                        | For short term use, store at 2-8 degree C up to 1 week. For long term storage, store at -20 degree C in small aliquots to prevent freeze-thaw cycles. |

### IMAGES


**WB (Western Blot)**

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


**WB (Western Blot)**

Host: Mouse Target Name: GDF5 Sample Tissue: Mouse Liver Antibody Dilution: 1ug/ml

ADDITIONAL INFORMATION

|                                                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
|----------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Related Product Information for anti-GDF5 antibody | <p>This is a rabbit polyclonal antibody against GDF5. It was validated on Western Blot</p> <p>Target Description: 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.</p> |
| Product Categories/Family for anti-GDF5 antibody   | Polyclonal; Growth Factors & Hormones; Developmental Biology; Disease Related; Meiosis/Mitosis/Cell Cycle                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |

NCBI AND UNIPROT INFORMATION

|                                  |                                                                      |
|----------------------------------|----------------------------------------------------------------------|
| NCBI GI #                        | 611435007                                                            |
| NCBI GeneID                      | 8200                                                                 |
| NCBI Accession #                 | NP_000548                                                            |
| NCBI GenBank Nucleotide #        | NM_000557                                                            |
| UniProt Accession #              | P43026                                                               |
| Molecular Weight                 | 55kDa                                                                |
| 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.