GDF8/Myostatin Polyclonal ANTIBODY
Catalog Number: 19142-1-AP

Basic Information
Catalog Number: 19142-1-AP
GenBank Accession Number: BC094797
Size: 31 μg/150 μl
Source: Rabbit
Isotype: IgG
Purification Method: Antigen affinity purification
Immunogen Catalog Number: AG13605

Recommended Dilutions:
WB: 1:500-1:1000
IHC: 1:50-1:500

Background Information
Myostatin, also known as GDF-8, is a member of the TGF-beta superfamily. Myostatin is expressed in the myotome and developing skeletal muscles. Myostatin negatively regulates skeletal muscle growth and development through the regulation of anabolic and catabolic pathways in skeletal muscles. Myostatin inhibition leads to increased skeletal muscle mass in mammals. Myostatin immunoreactive bands could be identified at ∼50, 30, and 16 kDa, which correspond to the precursor, dimer, and monomer, respectively (PMID: 17711997).

Notable Publications
<table>
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<tr>
<th>Author</th>
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<tr>
<td>Dengqiu Xu</td>
<td>30362548</td>
<td>J Cell Physiol</td>
<td>WB</td>
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<tr>
<td>Peng Zhu</td>
<td>26355117</td>
<td>Anim Biotechnol</td>
<td>IHC</td>
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<td>Patrizia Camarini</td>
<td>20088422</td>
<td>Fertil Steril</td>
<td>IF</td>
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Storage
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage.

For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (toll free in USA), or (312) 455-8498 (outside USA)
E: proteintech@ptglab.com
W: ptglab.com

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.
Immunohistochemical analysis of paraffin-embedded human heart tissue slide using 19142-1-AP (GDF8/Myostatin antibody at dilution of 1:200 (under 10x lens).

Immunohistochemical analysis of paraffin-embedded human heart tissue slide using 19142-1-AP (GDF8/Myostatin antibody at dilution of 1:200 (under 40x lens).

Mouse heart tissue were subjected to SDS PAGE followed by western blot with 19142-1-AP (GDF8/Myostatin antibody at dilution of 1:1000 incubated at room temperature for 1.5 hours.