

bs-23012R**[Primary Antibody]****GDF8 Rabbit pAb****BioSS**
ANTIBODIES

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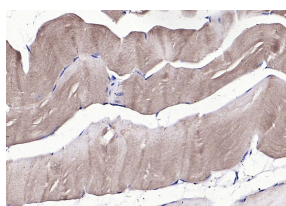
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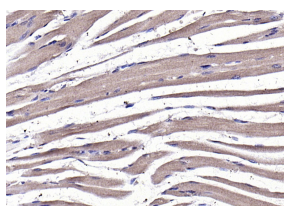
400-901-9800

— DATASHEET —

Host: Rabbit	Isotype: IgG	Applications: IHC-P (1:100-500)
Clonality: Polyclonal		IHC-F (1:100-500)
GeneID: 2660	SWISS: Q14793	IF (1:100-500)
Target: GDF8		Reactivity: Mouse, Rat (predicted: Human, Pig, Sheep, Chicken, Dog, Horse)
Immunogen: KLH conjugated synthetic peptide derived from human GDF8: 301-375/375.		Predicted MW.: 12/43 kDa
Purification: affinity purified by Protein A		Subcellular Location: Secreted
Concentration: 1mg/ml		
Storage: 0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol. Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.		
Background: Myostatin (GDF8) is expressed uniquely in human skeletal muscle as a 12 kDa mature glycoprotein consisting of 113 amino acid residues and secreted into plasma. Myostatin is a member of the transforming growth factor beta superfamily of secreted growth and differentiation factors that is essential for proper regulation of skeletal muscle mass. Studies have shown that myostatin could play an important role in cardiac development and physiology.		

— VALIDATION IMAGES —

Paraformaldehyde-fixed, paraffin embedded (mouse skeletal muscle); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30min; Antibody incubation with (Anti-GDF8) Polyclonal Antibody, Unconjugated (bs-23012R) at 1:200 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructions and DAB staining.



Paraformaldehyde-fixed, paraffin embedded (Rat tongue); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30min; Antibody incubation with (Anti-GDF8) Polyclonal Antibody, Unconjugated (bs-23012R) at 1:200 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructions and DAB staining.

— SELECTED CITATIONS —

- **[IF=2.461]** Weng, Shaoting. et al. Construction of a rAAV-SaCas9 system expressing eGFP and its application to improve muscle mass. 2021 Sep 29 **WB** ;mouse. 34590222
- **[IF=2.1]** Zhao Jiamin. et al. Sea buckthorn oil regulates primary myoblasts proliferation and differentiation in vitro. **IN VITRO CELL DEV-AN**. 2023 Dec;;1-12 **WB** ;Sheep. 38153639