

Anti-GDF-8 Polyclonal Antibody

Product Details

Ig Type:	IgG
Reactivity:	Mouse,Rat (predicted:Human,Chicken,Pig,Cow,Horse,Sheep)
Molecular Weight:	Theoretical: 12/43 kDa. Actual: 49 kDa.
Purification:	Protein A purified

Applications

1. Tissue/cell: mouse intestine tissue; 4% Paraformaldehyde-fixed and paraffin-embedded; Antigen retrieval: citrate buffer (0.01M, pH6.0), Boiling bathing for 15 min; Block endogenous peroxidase by 3% Hydrogen peroxide for 30 min; Blocking buffer (normal goat serum) at 37°C for 20 min;

Incubation: Anti-GDF8/MSTN Polyclonal Antibody, Unconjugated (TMAB-00759) 1:200, overnight at 4°C, followed by conjugation to the secondary antibody and DAB staining.

2. Sample:

Lane 1: Muscle (Mouse) Lysate at 40 µg

Lane 2: Muscle (Rat) Lysate at 40 µg

Lane 3: Tongue (Rat) Lysate at 40 µg

Primary:

Anti-GDF8 (TMAB-00759) at 1/1000 dilution

Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution

Predicted band size: 43 kDa

Observed band size: 43 kDa

3. Sample:

Verified Activity: Muscle (Mouse) Lysate at 40 µg

Primary: Anti-GDF8 (TMAB-00759) at 1/300 dilution

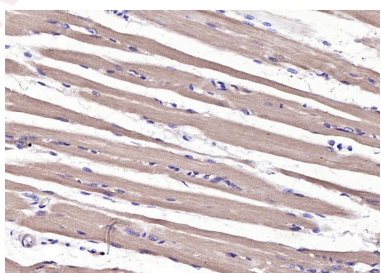
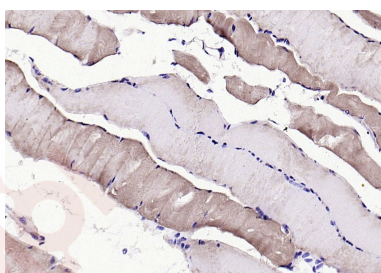
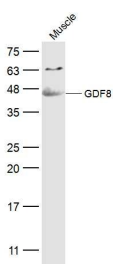
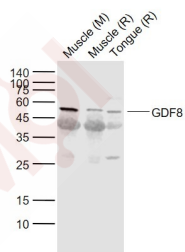
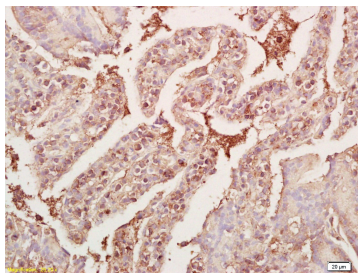
Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution

Predicted band size: 12/43 kDa

Observed band size: 43 kDa

4. Paraformaldehyde-fixed, paraffin embedded (mouse skeletal muscle); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15 min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 min; Blocking buffer (normal goat serum) at 37°C for 30 min; Antibody incubation with (Anti-GDF8) Polyclonal Antibody, Unconjugated (TMAB-00759) at 1:200 overnight at 4°C, followed by operating according to SP Kit (Rabbit) instructions and DAB staining.

5. Paraformaldehyde-fixed, paraffin embedded (Rat tongue); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15 min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 min; Blocking buffer (normal goat serum) at 37°C for 30 min; Antibody incubation with (Anti-GDF8) Polyclonal Antibody, Unconjugated (TMAB-00759) at 1:200 overnight at 4°C, followed by operating according to SP Kit (Rabbit) instructions and DAB staining.



Application: IF,IHC-Fr,IHC-P,WB

Recommended WB: 1:500-2000; IHC-P: 1:100-500; IHC-Fr: 1:100-500; IF: 1:100-500

Properties

Stability & Storage: Store at -20°C or -80°C for 12 months. Avoid repeated freeze-thaw cycles.

Shipping: Shipping with blue ice.

Antigen Details

Immunogen: KLH conjugated synthetic peptide: human GDF8
Antigen Species: Human
Gene ID: 2660
Uniprot ID: O14793
Synonyms: Mstn;Growth/differentiation factor 8;Myostatin;Gdf8;GDF-8

Research 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.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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