

## Anti-PYGM Polyclonal Antibody

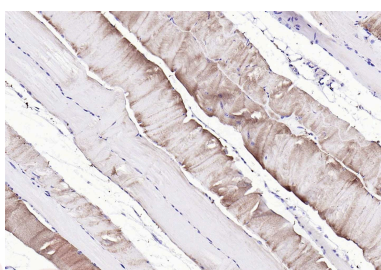
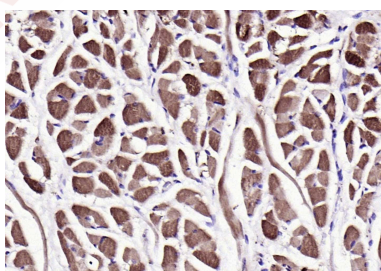
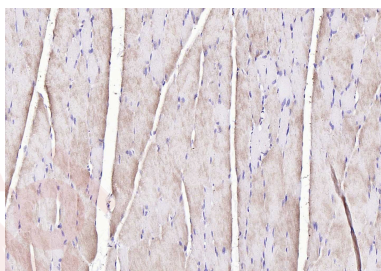
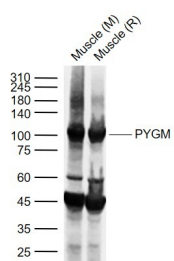
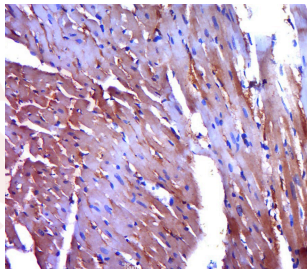
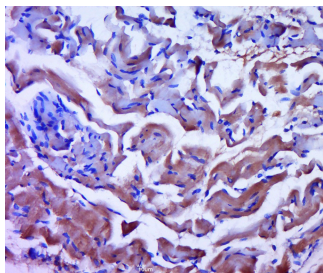
### Product Details

Ig Type:	IgG
Reactivity:	Mouse,Rat (predicted:Human,Dog,Pig,Cow,Horse,Sheep)
Molecular Weight:	Theoretical: 97 kDa. Actual: 97 kDa.
Purification:	Protein A purified

### Applications

1. Paraformaldehyde-fixed, paraffin embedded (rat bladder tissue); 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 (PYGM) Polyclonal Antibody, Unconjugated (TMAB-01598) at 1:400 overnight at 4°C, followed by a conjugated secondary for 20 min and DAB staining.
2. Paraformaldehyde-fixed, paraffin embedded (rat heart tissue); 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 (PYGM) Polyclonal Antibody, Unconjugated (TMAB-01598) at 1:400 overnight at 4°C, followed by a conjugated secondary for 20 min and DAB staining.
3. Sample:  
Lane 1: Mouse Muscle tissue lysates  
Lane 2: Rat Muscle tissue lysates  
Primary: Anti-PYGM (TMAB-01598) at 1/1000 dilution  
Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution  
Predicted band size: 97 kDa  
Observed band size: 97 kDa
4. Paraformaldehyde-fixed, paraffin embedded (rat 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 (PYGM) Polyclonal Antibody, Unconjugated (TMAB-01598) 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 (PYGM) Polyclonal Antibody, Unconjugated (TMAB-01598) at 1:200 overnight at 4°C, followed by operating according to SP Kit (Rabbit) instructions and DAB staining.
6. 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 (PYGM) Polyclonal Antibody, Unconjugated (TMAB-01598) at 1:200 overnight at 4°C, followed by operating according to SP Kit (Rabbit) instructions and DAB staining.

Verified Activity:



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.

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### Antigen Details

Immunogen: KLH conjugated synthetic peptide: human PYGM

Antigen Species: Human

Gene ID: 5837

Uniprot ID: P11217

Synonyms: Myophosphorylase; phosphorylase glycogen muscle (McArdle syndrome glycogen storage disease type V); Glycogen phosphorylase muscle form Muscpho; PYGM

Biology Area: Metabolism of carbohydrates, Response to hypoxia, Carbohydrate metabolism, Energy Metabolism, Hypoxia, Energy Metabolism

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### Research Background

Phosphorylase is an important allosteric enzyme in carbohydrate metabolism. Enzymes from different sources differ in their regulatory mechanisms and in their natural substrates. However, all known phosphorylases share catalytic and structural properties.

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