

Product datasheet for **TA302172S**

PYGM Rabbit Polyclonal Antibody

Product data:

| | |
|--------------------------------|---|
| Product Type: | Primary Antibodies |
| Applications: | IHC, WB |
| Recommended Dilution: | WB: 1:1000, IHC: 1:10~50 |
| Reactivity: | Human (Predicted: Monkey) |
| Host: | Rabbit |
| Isotype: | Ig |
| Clonality: | Polyclonal |
| Immunogen: | This PYGM antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 698-727 amino acids from the C-terminal region of human PYGM. |
| Formulation: | Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. |
| Concentration: | lot specific |
| Purification: | This antibody is prepared by Saturated Ammonium Sulfate (SAS) precipitation followed by dialysis against PBS. |
| Conjugation: | Unconjugated |
| Storage: | Store at -20°C as received. |
| Stability: | Stable for 12 months from date of receipt. |
| Predicted Protein Size: | 97092 Da |
| Gene Name: | phosphorylase, glycogen, muscle |
| Database Link: | NP_005600 Entrez Gene 717451 Monkey Entrez Gene 5837 Human P11217 |
| Background: | PYGM catalyzes and regulates the breakdown of glycogen to glucose-1-phosphate. Defects in PYGM are the cause of glycogen storage disease type 5 (GSD5), also known as McArdle disease. GSD5 is a metabolic disorder resulting in myopathy characterized by exercise intolerance, cramps, muscle weakness and recurrent myoglobinuria. |
| Synonyms: | glycogen; glycogen phosphorylase; glycogen storage disease type V; glycogen storage disease type V); McArdle syndrome; muscle; muscle (McArdle syndrome; myophosphorylase; phosphorylase |

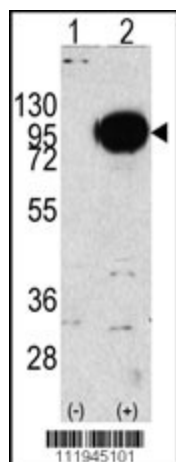


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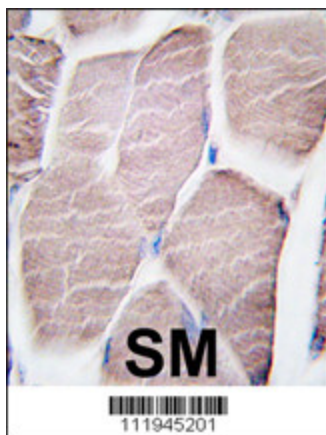
Protein Families: Druggable Genome

Protein Pathways: Insulin signaling pathway, Starch and sucrose metabolism

Product images:



Western blot analysis of PYGM (arrow) using rabbit polyclonal PYGM Antibody (C-term) (Cat.# [TA302172]). 293 cell lysates (2 ug/lane) either nontransfected (Lane 1) or transiently transfected with the PYGM gene (Lane 2) (Origene Technologies).



Formalin-fixed and paraffin-embedded human skeletal muscle tissue reacted with PYGM antibody (C-term) (Cat.#[TA302172]), which was peroxidase-conjugated to the secondary antibody, followed by DAB staining. This data demonstrates the use of this antibody for immunohistochemistry; clinical relevance has not been evaluated.