

Product datasheet for TA302172

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

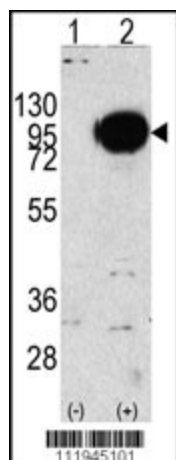


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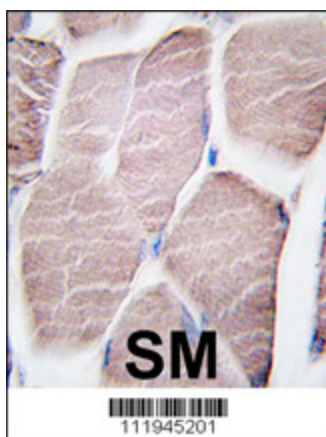
Protein Families: Druggable Genome

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.