

## Product datasheet for **TA811315AM**

### **PYGM Mouse Monoclonal Antibody (Biotin conjugated) [Clone ID: OTI3F9]**

#### **Product data:**

<b>Product Type:</b>	Primary Antibodies
<b>Clone Name:</b>	OTI3F9
<b>Applications:</b>	IHC, WB
<b>Recommended Dilution:</b>	WB 1:2000, IHC 1:2000
<b>Reactivity:</b>	Human, Mouse, Rat
<b>Host:</b>	Mouse
<b>Isotype:</b>	IgG2a
<b>Clonality:</b>	Monoclonal
<b>Immunogen:</b>	Human recombinant protein fragment corresponding to amino acids 698-842 of human PYGM (NP_005600) produced in E.coli.
<b>Formulation:</b>	PBS (pH 7.3) containing 1% BSA, 50% glycerol and 0.02% sodium azide.
<b>Concentration:</b>	0.5 mg/ml
<b>Purification:</b>	Purified from mouse ascites fluids or tissue culture supernatant by affinity chromatography (protein A/G)
<b>Conjugation:</b>	Biotin
<b>Storage:</b>	Store at -20°C as received.
<b>Stability:</b>	Stable for 12 months from date of receipt.
<b>Gene Name:</b>	phosphorylase, glycogen, muscle
<b>Database Link:</b>	<a href="#">NP_005600</a> <a href="#">Entrez Gene 19309 Mouse</a> <a href="#">Entrez Gene 24701 Rat</a> <a href="#">Entrez Gene 5837 Human</a> <a href="#">P11217</a>
<b>Background:</b>	This gene encodes a muscle enzyme involved in glycogenolysis. Highly similar enzymes encoded by different genes are found in liver and brain. Mutations in this gene are associated with McArdle disease (myophosphorylase deficiency), a glycogen storage disease of muscle. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Sep 2009]
<b>Synonyms:</b>	glycogen; glycogen phosphorylase; glycogen storage disease type V; glycogen storage disease type V); McArdle syndrome; muscle; muscle (McArdle syndrome; myophosphorylase; phosphorylase

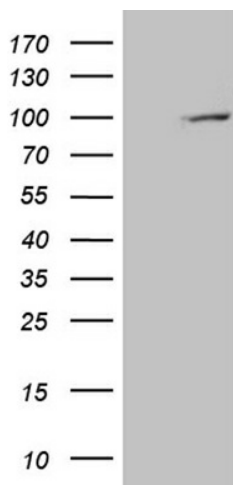


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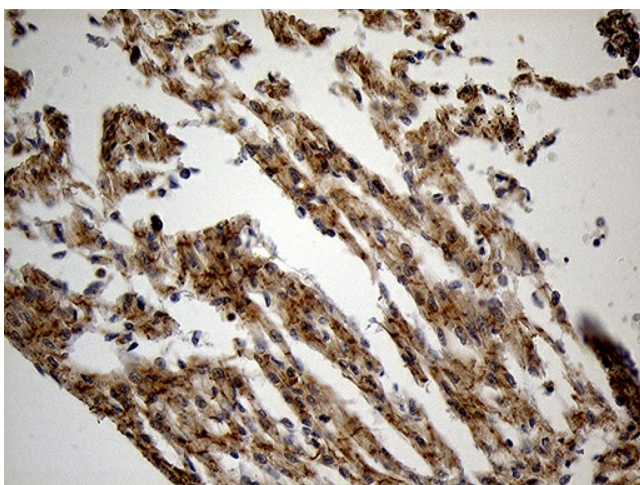
Protein Families: Druggable Genome

Protein Pathways: Insulin signaling pathway, Starch and sucrose metabolism

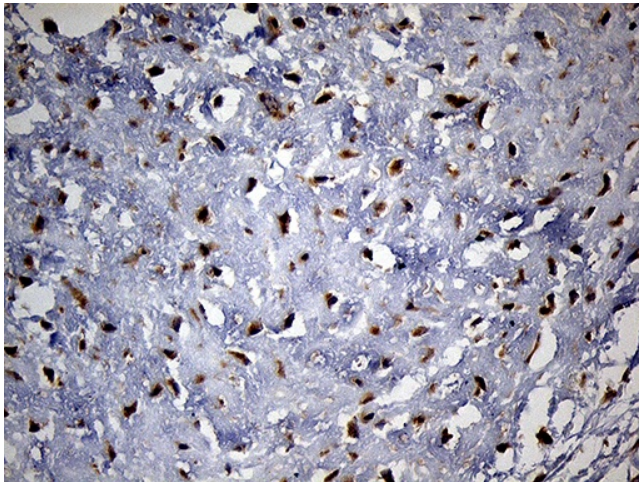
### Product images:



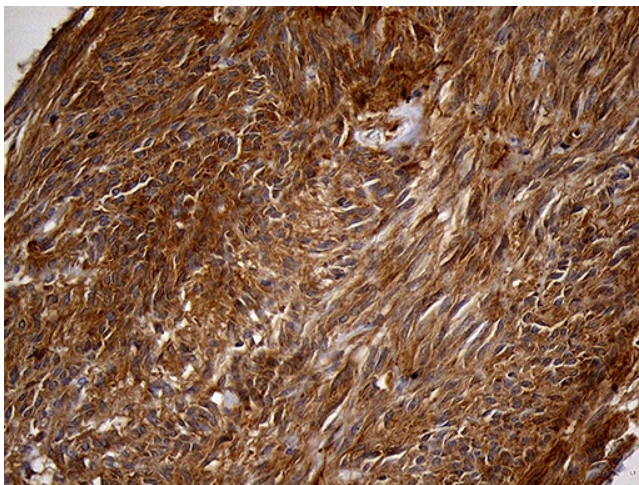
HEK293T cells were transfected with the pCMV6-ENTRY control (Left lane) or pCMV6-ENTRY PYGM ([RC212365], Right lane) cDNA for 48 hrs and lysed. Equivalent amounts of cell lysates (5 ug per lane) were separated by SDS-PAGE and immunoblotted with anti-PYGM (1:2000). Positive lysates [LY401719] (100ug) and [LC401719] (20ug) can be purchased separately from OriGene.



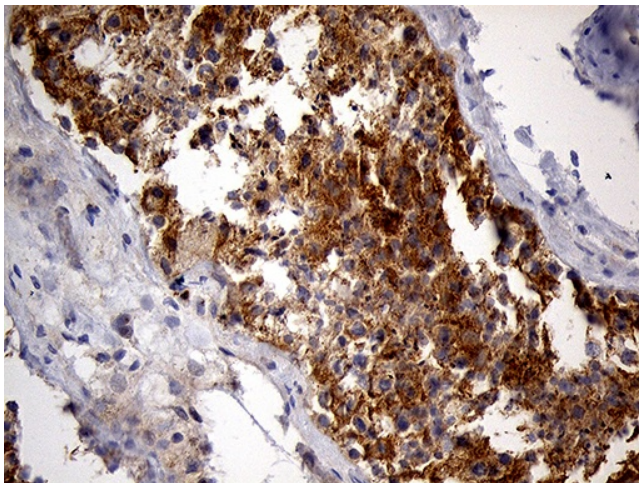
Immunohistochemical staining of paraffin-embedded Human adult heart tissue within the normal limits using anti-PYGM mouse monoclonal antibody. (Heat-induced epitope retrieval by 1mM EDTA in 10mM Tris buffer (pH8.5) at 120°C for 3min, [TA811315]) (1:2000)



Immunohistochemical staining of paraffin-embedded Human muscle tissue within the normal limits using anti-PYGM mouse monoclonal antibody. (Heat-induced epitope retrieval by 1mM EDTA in 10mM Tris buffer (pH8.5) at 120°C for 3min, [TA811315]) (1:2000)



Immunohistochemical staining of paraffin-embedded Human gastric stromal tumor tissue using anti-PYGM mouse monoclonal antibody. (Heat-induced epitope retrieval by 1mM EDTA in 10mM Tris buffer (pH8.5) at 120°C for 3min, [TA811315]) (1:2000)



Immunohistochemical staining of paraffin-embedded Human testicle tissue within the normal limits using anti-PYGM mouse monoclonal antibody. (Heat-induced epitope retrieval by 1mM EDTA in 10mM Tris buffer (pH8.5) at 120°C for 3min, [TA811315]) (1:2000)