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Product datasheet for TA811315M

PYGM Mouse Monoclonal Antibody [Clone ID: OTI3F9]

Product data:

Product Type:	Primary Antibodies
Clone Name:	OTI3F9
Applications:	IHC, WB
Recommended Dilution:	WB 1:2000, IHC 1:2000
Reactivity:	Human, Mouse, Rat
Host:	Mouse
Isotype:	IgG2a
Clonality:	Monoclonal
Immunogen:	Human recombinant protein fragment corresponding to amino acids 698-842 of human PYGM (NP_005600) produced in E.coli.
Formulation:	PBS (pH 7.3) containing 1% BSA, 50% glycerol and 0.02% sodium azide.
Concentration:	1 mg/ml
Purification:	Purified from mouse ascites fluids or tissue culture supernatant by affinity chromatography (protein A/G)
Conjugation:	Unconjugated
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Gene Name:	phosphorylase, glycogen, muscle
Database Link:	NP_005600 Entrez Gene 19309 MouseEntrez Gene 24701 RatEntrez Gene 5837 Human P11217
Background:	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]
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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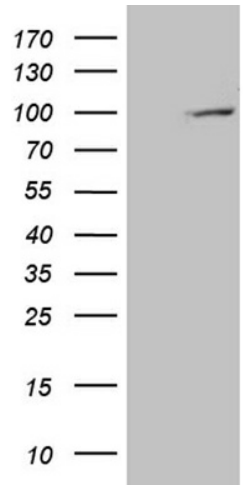
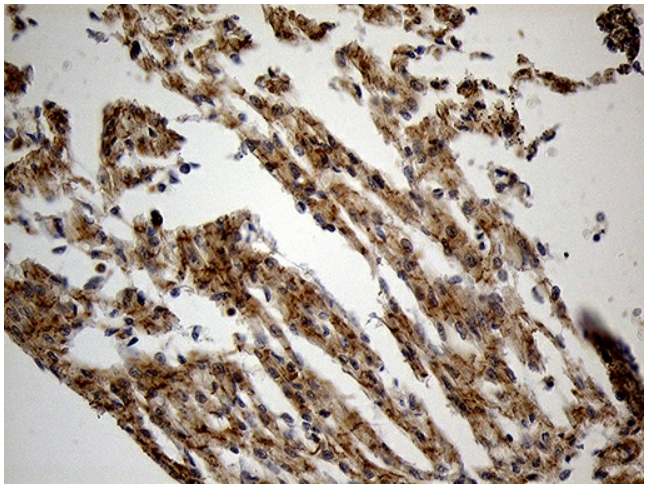
Protein Families: Druggable Genome

Protein Pathways: Insulin signaling pathway, Starch and sucrose metabolism

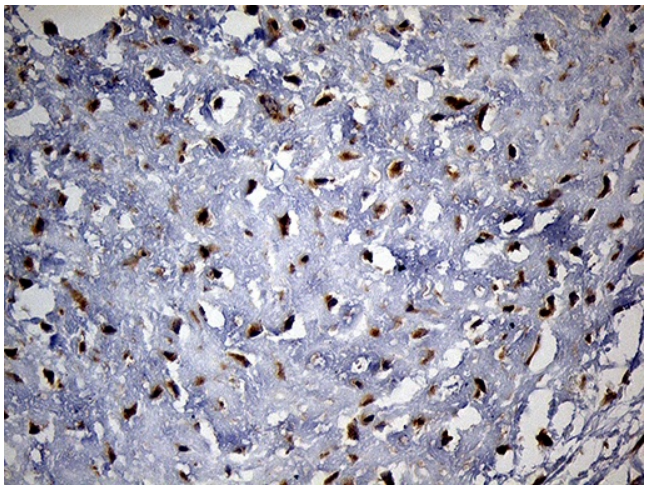
Product images:



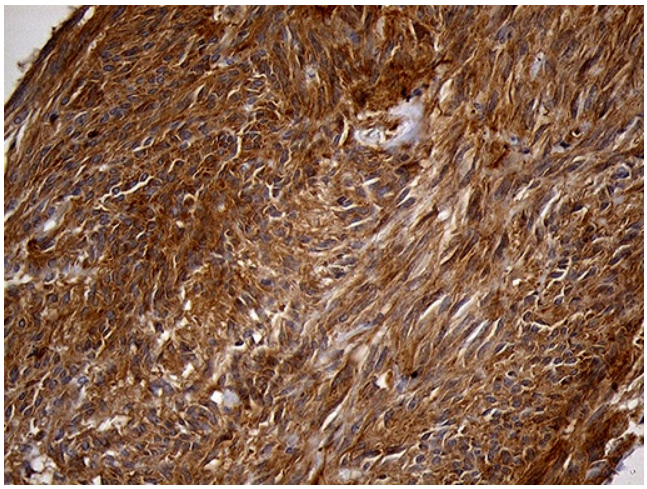
HEK293T cells were transfected with the pCMV6-ENTRY control (Left lane) or pCMV6-ENTRY PYGM ([RC212365], Right lane) cDNA for 48 hrs and lysed. Equivalent amounts of cell lysates (5 ug per lane) were separated by SDS-PAGE and immunoblotted with anti-PYGM (1:2000). Positive lysates [LY401719] (100ug)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



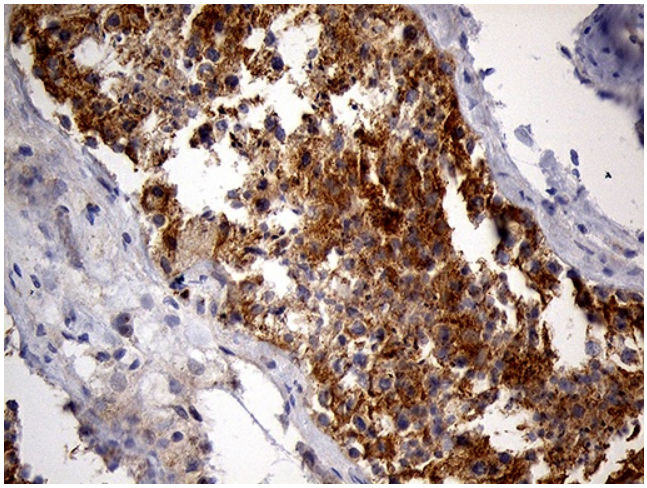
Immunohistochemical staining of paraffin-embedded Human adult heart tissue within the normal limits using anti-PYGM mouse monoclonal antibody. Heat-induced epitope retrieval by EDTA solution buffer pH 8.0 at 120°C for 3 min.



Immunohistochemical staining of paraffin-embedded Human muscle tissue within the normal limits using anti-PYGM mouse monoclonal antibody. Heat-induced epitope retrieval by EDTA solution buffer pH 8.0 at 120°C for 3 min.



Immunohistochemical staining of paraffin-embedded Human gastric stromal tumor tissue using anti-PYGM mouse monoclonal antibody. Heat-induced epitope retrieval by EDTA solution buffer pH 8.0 at 120°C for 3 min.



Immunohistochemical staining of paraffin-embedded Human testicle tissue within the normal limits using anti-PYGM mouse monoclonal antibody. Heat-induced epitope retrieval by EDTA solution buffer pH 8.0 at 120°C for 3 min.