

PYGM Antibody (C-term)

Purified Rabbit Polyclonal Antibody (Pab)

Catalog # AP1450b

Product Information

Application	WB, IHC-P, E
Primary Accession	P11217
Other Accession	Q8HXL4
Reactivity	Human
Predicted	Monkey, Mouse, Rat, Bovine, Canine, Rabbit
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Clone Names	RB11945
Calculated MW	97092
Antigen Region	698-727

Additional Information

Gene ID	5837
Other Names	Glycogen phosphorylase, muscle form, Myophosphorylase, PYGM
Target/Specificity	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.
Dilution	WB~~1:1000 IHC-P~~1:100~500 E~~Use at an assay dependent concentration.
Format	Purified polyclonal antibody supplied in PBS with 0.05% (V/V) Proclin 300. This antibody is purified through a protein A column, followed by peptide affinity purification.
Storage	Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.
Precautions	PYGM Antibody (C-term) is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

Name	PYGM (HGNC:9726)
Function	Allosteric enzyme that catalyzes the rate-limiting step in glycogen catabolism, the phosphorolytic cleavage of glycogen to produce glucose-1-phosphate, and plays a central role in maintaining cellular and

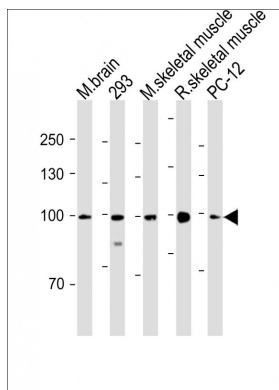
Background

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.

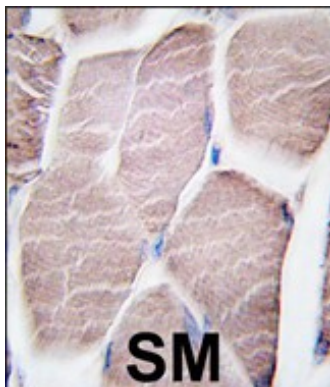
References

Tsoi, S.C., et al., J. Soc. Gynecol. Investig. 10(8):496-502 (2003).
Bruno, C., et al., Neuromuscul. Disord. 12(5):498-500 (2002).
Hadjigeorgiou, G.M., et al., Neuromuscul. Disord. 12(9):824-827 (2002).
Deschauer, M., et al., Mol. Genet. Metab. 74(4):489-491 (2001).
Kubisch, C., et al., Hum. Mutat. 12(1):27-32 (1998).

Images



All lanes: Anti-PYGM Antibody (C-term) at 1:2000 dilution
Lane 1: Mouse brain lysate Lane 2: 293 whole cell lysate
Lane 3: Mouse skeletal muscle lysate Lane 4: Rat skeletal muscle lysate Lane 5: PC-12 whole cell lysate
Lysates/proteins at 20 µg per lane. Secondary: Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated (ASP1615) at 1/15000 dilution. Observed band size: 97 KDa
Blocking/Dilution buffer: 5% NFDM/TBST.



Formalin-fixed and paraffin-embedded human skeletal muscle tissue reacted with PYGM antibody (C-term) (Cat.#AP1450b), 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.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.