

PYGM Antibody (C-term)
Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP1450b

Specification

PYGM Antibody (C-term) - Product Information

Application	WB, IHC-P,E
Primary Accession	P11217
Other Accession	Q8HXW4
Reactivity	Human
Predicted	Monkey
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Calculated MW	97092
Antigen Region	698-727

PYGM Antibody (C-term) - 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~~1:8000

IHC-P~~1:10~50

Format

Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is prepared by Saturated Ammonium Sulfate (SAS) precipitation followed by dialysis against PBS.

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.

PYGM Antibody (C-term) - Protein Information

Name PYGM ([HGNC:9726](#))

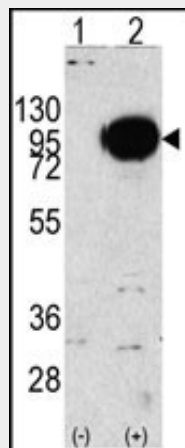
Function Allosteric enzyme that catalyzes the rate-limiting step in glycogen catabolism, the phosphorylytic cleavage of glycogen to produce glucose-1-phosphate, and plays a central role in maintaining cellular and organismal glucose homeostasis.

PYGM Antibody (C-term) - Protocols

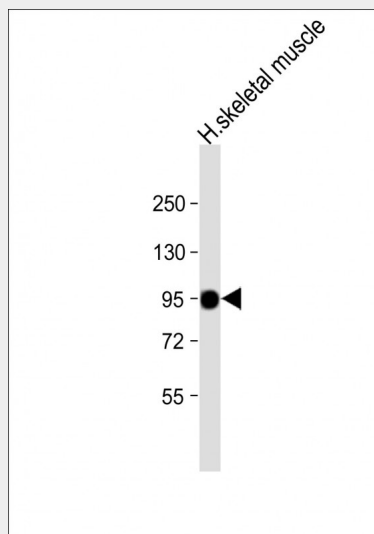
Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

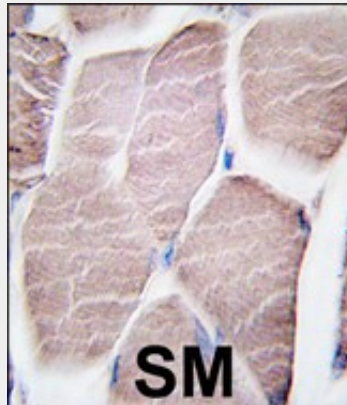
PYGM Antibody (C-term) - Images



Western blot analysis of PYGM (arrow) using rabbit polyclonal PYGM Antibody (C-term) (Cat.#AP1450b). 293 cell lysates (2 ug/lane) either nontransfected (Lane 1) or transiently transfected with the PYGM gene (Lane 2) (Origene Technologies).



Anti-PYGM Antibody (C-term) at 1:8000 dilution + human skeletal muscle lysate Lysates/proteins at 20 µg per lane. Secondary Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/10000 dilution. Predicted 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.

PYGM Antibody (C-term) - 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.

PYGM Antibody (C-term) - 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).