

Rabbit PYGM Polyclonal Antibody | anti-PYGM antibody

PYGM Antibody (C-term)

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA285785	Rabbit	Human (Predicted Reactivity: Monkey)	Immunohistochemistry, ELISA, Western Blot

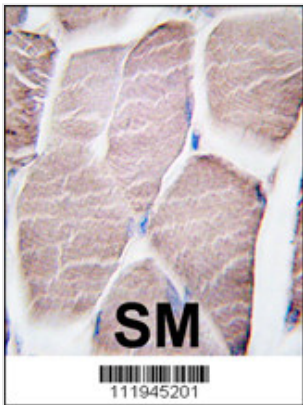
PRODUCT SYNONYMS

PYGM; Polyclonal Antibody; PYGM Antibody (C-term); Glycogen phosphorylase; muscle form; Myophosphorylase; anti-PYGM antibody

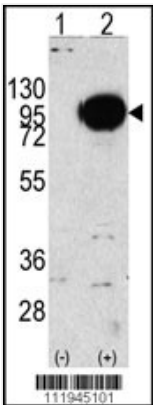
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human (Predicted Reactivity: Monkey)
Clonality	Polyclonal
Isotype	Rabbit Ig
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.
Purity/Purification	Purified Rabbit Polyclonal Antibody (Pab)
Form/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.
Concentration	Vial Concentration: 2 (varies by lot)
Sequence Positions	698-727
Sequence Length	754
Applicable Applications for anti-PYGM antibody	IHC (Immunohistochemistry), ELISA, WB (Western Blot)
Antigen Type	Synthetic Peptide
Antigen Source	HUMAN
Preparation and Storage	Maintain refrigerated at 2-8 degree C for up to 6 months. For long term storage store at -20 degree C in small aliquots to prevent freeze-thaw cycles.

IMAGES



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



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

ADDITIONAL INFORMATION

Related Product Information for anti-PYGM antibody	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.
Product Categories/Family for anti-PYGM antibody	Cancer; Cardiovascular; Metabolism; Signal transduction
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).

NCBI AND UNIPROT INFORMATION

NCBI GI #	257900462
NCBI GeneID	5837
NCBI Accession #	NP_001158188.1; NP_005600.1
NCBI GenBank Nucleotide #	NM_001164716.1
UniProt Accession #	P11217; A0AVK1; A6NDY6
Molecular Weight	97092
NCBI Official Full Name	glycogen phosphorylase, muscle form isoform 2
NCBI Official Synonym Full Names	phosphorylase, glycogen, muscle
NCBI Official Symbol	PYGM
NCBI Protein Information	glycogen phosphorylase, muscle form
UniProt Protein Name	Glycogen phosphorylase, muscle form
UniProt Gene Name	PYGM
UniProt Entry Name	PYGM_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/pygm-antibody-immunohistochemistry-western-blot-elisa/285785>