



PYGM rabbit pAb

Catalog No	BYab-09040
Isotype	IgG
Reactivity	Human; Mouse;Rat
Applications	WB
Gene Name	PYGM
Protein Name	PYGM
Immunogen	Synthesized peptide derived from human PYGM AA range: 426-476
Specificity	This antibody detects endogenous levels of PYGM at Human/Mouse/Rat
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Source	Polyclonal, Rabbit,IgG
Purification	The antibody was affinity-purified from rabbit serum by affinity-chromatography using specific immunogen.
Dilution	WB 1: 500-2000
Concentration	1 mg/ml
Purity	≥90%
Storage Stability	-20°C/1 year
Synonyms	
Observed Band	
Cell Pathway	cytoplasm,cytosol,extracellular exosome,
Tissue Specificity	
Function	catalytic activity:(1,4-alpha-D-glucosyl)(n) + phosphate = (1,4-alpha-D-glucosyl)(n-1) + alpha-D-glucose 1-phosphate.,cofactor:Pyridoxal phosphate.,disease:Defects in PYGM are the cause of glycogen storage disease type 5 (GSD5) [MIM:232600]; also known as McArdle disease. GSD5 is a metabolic disorder resulting in myopathy characterized by exercise intolerance, cramps, muscle weakness and recurrent myoglobinuria.,enzyme regulation:Activity of phosphorylase is controlled both by allosteric means (through the noncovalent binding of metabolites) and by covalent modification. Thus AMP allosterically activates, whereas ATP, ADP, and glucose-6-phosphate allosterically inhibit, phosphorylase B.,function:Phosphorylase is an important allosteric enzyme in carbohydrate metabolism. Enzymes from different sources differ in their regulatory mechanisms and in their natural substrates. However, all

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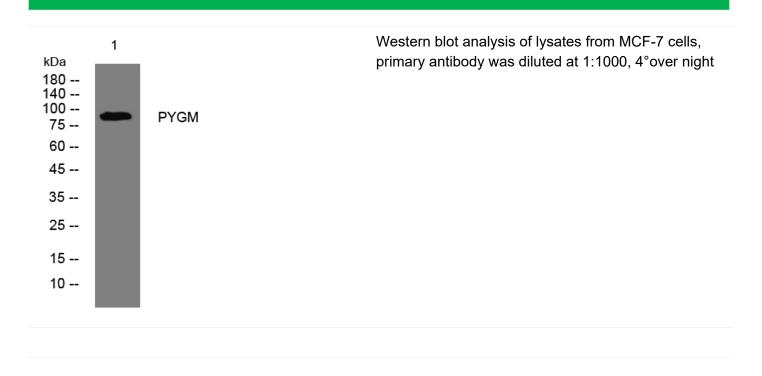


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Background	This gene encodes a muscle enzyme involved in glycogenolysis. Highly similar enzymes encoded by different genes are found in liver and brain. Mutations in this gene are associated with McArdle disease (myophosphorylase deficiency), a glycogen storage disease of muscle. Alternative splicing results in multiple transcript variants.[provided by RefSeq, Sep 2009],
matters needing attention	Avoid repeated freezing and thawing!
Usage suggestions	This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.

Products Images



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