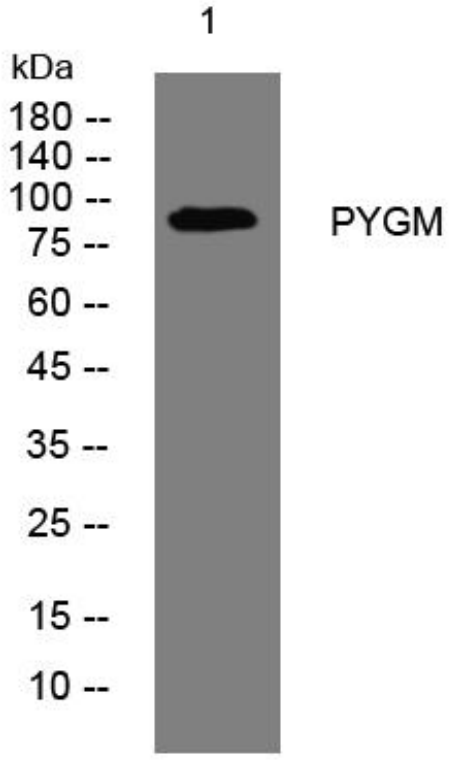
PYGM mouse mAb

Catalog No	YP-mAb-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	Monoclonal, Mouse,IgG
Purification	The antibody was affinity-purified from mouse antiserum by affinity-chromatography using epitope-specific immunogen.
Dilution	WB 1:500-1:2000
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 know
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



Western Blot analysis of various cells using PYGM mouse mAb