



PGAM1 Polyclonal Antibody

Catalog Number PA5-23051

Product Data Sheet

Details		Species Reactivity	
Size	100 µL	Tested species reactivity	Human, Mouse
Host / Isotype	Rabbit / IgG	Tested Applications	Dilution *
Class	Polyclonal	Immunocytochemistry (ICC)	1:50
Type	Antibody	Immunofluorescence (IF)	1:50
Immunogen	A synthetic peptide made to a C-terminal portion of the human PGAM1 protein (between residues 200-254)	Immunohistochemistry (Paraffin) (IHC (P))	1:300
Conjugate	Unconjugated	Western Blot (WB)	0.5 µg/ml
Form	Liquid	* Suggested working dilutions are given as a guide only. It is recommended that the user titrate the product for use in their own experiment using appropriate negative and positive controls.	
Concentration	1mg/ml		
Purification	Antigen affinity chromatography		
Storage Buffer	PBS with 30% glycerol		
Contains	0.05% sodium azide		
Storage Conditions	Store at 4°C short term. For long term storage, store at -20°C, avoiding freeze/thaw cycles.		

Background/Target Information

PGAM1 belongs to the phosphoglycerate mutase family. PGAM1 is an important component of glucose and 2,3-BPGA (2,3-bisphosphoglycerate) metabolism and catalyzes the reversible reaction of 3-phosphoglycerate (3-PGA) to 2-phosphoglycerate (2-PGA) in the glycolytic pathway. The PGAM1 protein is a dimeric enzyme containing, in different tissues, different proportions of a slow-migrating muscle (MM) isozyme, a fast-migrating brain (BB) isozyme, and a hybrid form (MB). Mutations in PGAM1 cause muscle phosphoglycerate mutase efficiency, also known as glycogen storage disease X. Recombinant human PGAM1 protein, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography techniques.

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