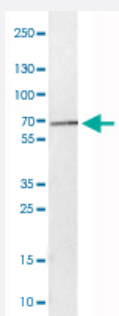


PGM1 monoclonal antibody, clone CL3299

Catalog # MAB15798

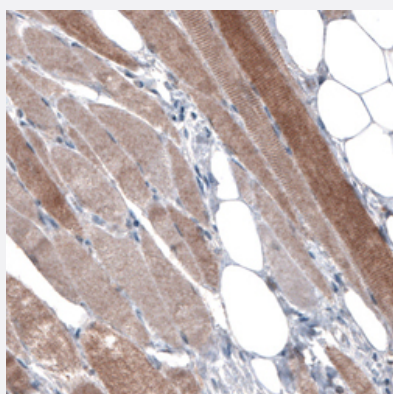
Size 100 uL

Applications



Western Blot (Cell lysate)

Western Blot analysis of RT-4 cell lysate with PGM1 monoclonal antibody, clone CL3299 (Cat # MAB15798).



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

Immunohistochemical staining (Formalin-fixed paraffin-embedded sections) of human skeletal muscle with PGM1 monoclonal antibody, clone CL3299 (Cat # MAB15798) shows moderate cytoplasmic immunoreactivity in muscle fibers.

Specification

Product Description	Mouse monoclonal antibody raised against partial recombinant human PGM1.
Immunogen	Recombinant protein corresponding to human PGM1.
Epitope	This antibody binds to an epitope located within the peptide sequence HGRNFFTRYD as determined by overlapping synthetic peptides.
Sequence	SILATRKQSVEDILKDHQKHGRNFFTRYDYEEVEAEGANKMMKDLEALMFDRSFVGKQFSAND KVYTVEKADNFEYSD
Host	Mouse

Reactivity	Human
Form	Liquid
Purification	Protein A purification
Isotype	IgG1
Recommend Usage	Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) (1:2500-1:5000) Western Blot (1:500-1:1000) The optimal working dilution should be determined by the end user.
Storage Buffer	In PBS, pH 7.2 (40% glycerol, 0.02% sodium azide).
Storage Instruction	Store at 4°C. For long term storage store at -20°C. Aliquot to avoid repeated freezing and thawing.
Note	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Applications

- Western Blot (Cell lysate)

Western Blot analysis of RT-4 cell lysate with PGM1 monoclonal antibody, clone CL3299 (Cat # MAB15798).

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Gene Info — PGM1

Entrez GeneID	5236
Protein Accession#	P36871
Gene Name	PGM1
Gene Alias	-
Gene Description	phosphoglucomutase 1
Omim ID	171900
Gene Ontology	Hyperlink

Gene Summary

Phosphoglucomutases (PGM; EC 5.4.2.2) catalyze the transfer of phosphate between the 1 and 6 positions of glucose. Isozymes of PGM are monomeric, with molecular masses of about 60 kD, and are encoded by several genes, including PGM1. In most cell types, PGM1 isozymes predominate, representing about 90% of total PGM activity. One exception is red cells, where PGM2 (MIM 172000) is a major isozyme (Putt et al., 1993 [PubMed 8257433]).[supplied by OMIM]

Other Designations

OTTHUMP00000010519|OTTHUMP00000046842

Pathway

- [Amino sugar and nucleotide sugar metabolism](#)
- [Galactose metabolism](#)
- [Glycolysis / Gluconeogenesis](#)
- [Metabolic pathways](#)
- [Pentose phosphate pathway](#)
- [Starch and sucrose metabolism](#)
- [Streptomycin biosynthesis](#)

Disease

- [Birth Weight](#)
- [Body Weight](#)
- [Diabetes Mellitus](#)
- [Genetic Predisposition to Disease](#)
- [Obesity](#)
- [Tobacco Use Disorder](#)
- [Tuberculosis](#)