10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

PGM1 Antibody (monoclonal) (M01)

Mouse monoclonal antibody raised against a full length recombinant PGM1.
Catalog # AT3282a

Specification

PGM1 Antibody (monoclonal) (M01) - Product Information

Application	**IF, IP, WB, E**
Primary Accession	P36871
Other Accession	BC019920
Reactivity	**Human**
Host	**mouse**
Clonality	**Monoclonal**
Isotype	**IgG1 kappa**
Calculated MW	**61449**

PGM1 Antibody (monoclonal) (M01) - Additional Information

Gene ID 5236

Other Names
Phosphoglucomutase-1, PGM 1, Glucose phosphomutase 1, PGM1

Target/Specificity
PGM1 (AAH19920, 1 a.a. ~ 562 a.a) full-length recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.

Dilution
WB~~1:500~1000

Format
Clear, colorless solution in phosphate buffered saline, pH 7.2 .

Storage
Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

Precautions
PGM1 Antibody (monoclonal) (M01) is for research use only and not for use in diagnostic or therapeutic procedures.

PGM1 Antibody (monoclonal) (M01) - Protocols

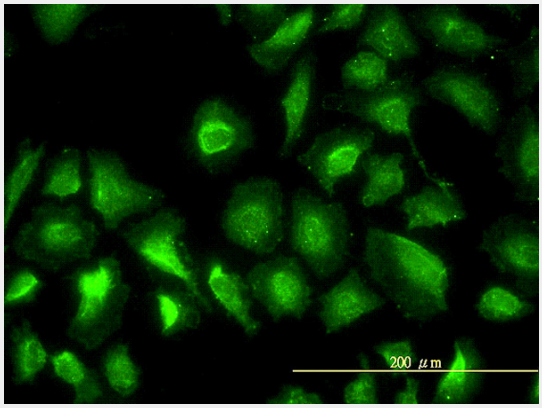
Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry

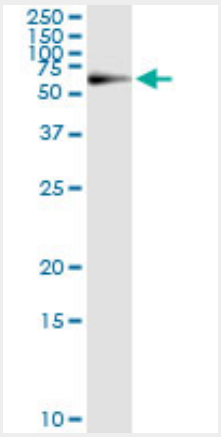
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- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

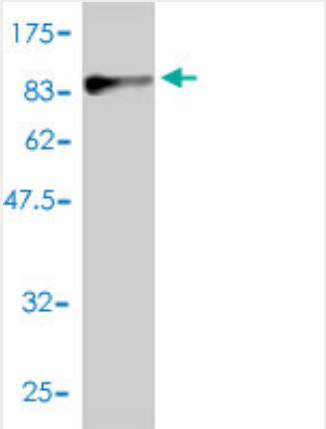
PGM1 Antibody (monoclonal) (M01) - Images



Immunofluorescence of monoclonal antibody to PGM1 on HeLa cell. [antibody concentration 20 ug/ml]



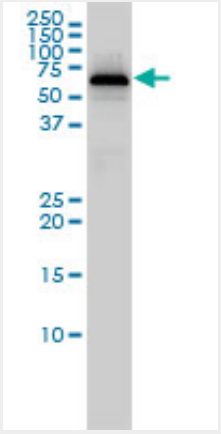
Immunoprecipitation of PGM1 transfected lysate using anti-PGM1 monoclonal antibody and Protein A Magnetic Bead (U0007), and immunoblotted with PGM1 MaxPab rabbit polyclonal antibody.



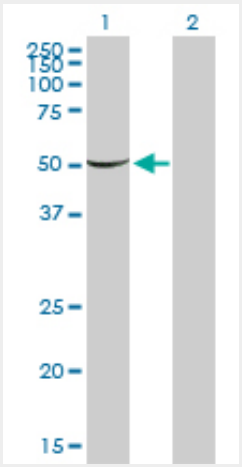
Antibody Reactive Against Recombinant Protein.Western Blot detection against Immunogen

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(87.56 KDa) .

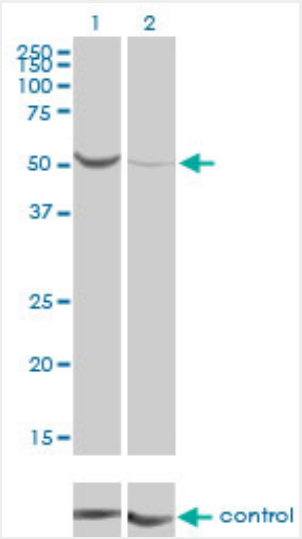


PGM1 monoclonal antibody (M01), clone 3B8-H4 Western Blot analysis of PGM1 expression in Jurkat ((Cat # AT3282a)



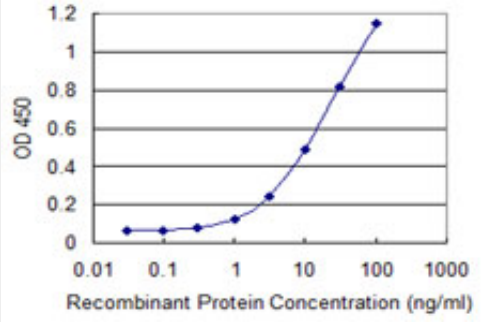
Western Blot analysis of PGM1 expression in transfected 293T cell line by PGM1 monoclonal antibody (M01), clone 3B8-H4.

Lane 1: PGM1 transfected lysate(61.4 KDa).
Lane 2: Non-transfected lysate.



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Western blot analysis of PGM1 over-expressed 293 cell line, cotransfected with PGM1 Validated Chimera RNAi ((Cat # AT3282a)



Detection limit for recombinant GST tagged PGM1 is 0.3 ng/ml as a capture antibody.

PGM1 Antibody (monoclonal) (M01) - Background

The protein encoded by this gene is an isozyme of phosphoglucomutase (PGM) and belongs to the phosphohexose mutase family. There are several PGM isozymes, which are encoded by different genes and catalyze the transfer of phosphate between the 1 and 6 positions of glucose. In most cell types, this PGM isozyme is predominant, representing about 90% of total PGM activity. In red cells, PGM2 is a major isozyme. This gene is highly polymorphic. Mutations in this gene cause glycogen storage disease type 14. Alternativley spliced transcript variants encoding different isoforms have been identified in this gene.

PGM1 Antibody (monoclonal) (M01) - References

1.Functional analysis of beef tenderness.Guillemin N, Bonnet M, Jurie C, Picard B.J Proteomics. 2011 Aug 9. [Epub ahead of print]