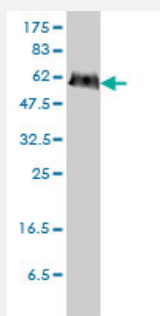


PGM3 monoclonal antibody (M01), clone 1E2-1B12

Catalog # H00005238-M01

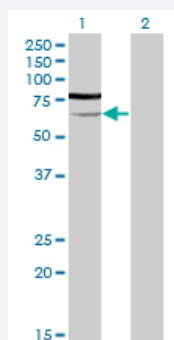
Size 100 ug

Applications



Western Blot (Cell lysate)

PGM3 monoclonal antibody (M01), clone 1E2-1B12 Western Blot analysis of PGM3 expression in HeLa (Cat # L013V1).

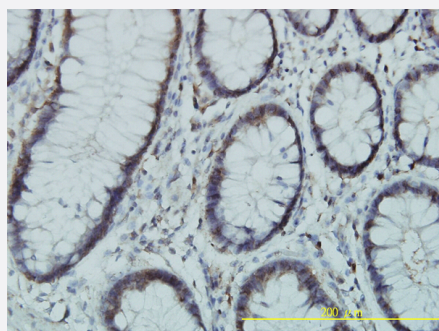


Western Blot (Transfected lysate)

Western Blot analysis of PGM3 expression in transfected 293T cell line by PGM3 monoclonal antibody (M01), clone 1E2-1B12.

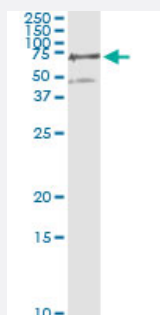
Lane 1: PGM3 transfected lysate(59.9 KDa).

Lane 2: Non-transfected lysate.



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

Immunoperoxidase of monoclonal antibody to PGM3 on formalin-fixed paraffin-embedded human colon tissue. [antibody concentration 2 ug/ml]

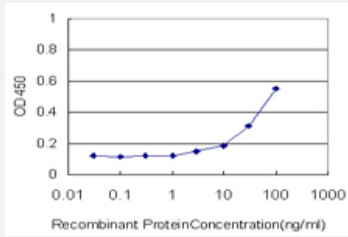


Immunoprecipitation

Immunoprecipitation of PGM3 transfected lysate using anti-PGM3 monoclonal antibody and Protein A Magnetic Bead, and immunoblotted with PGM3 MaxPab rabbit polyclonal antibody.

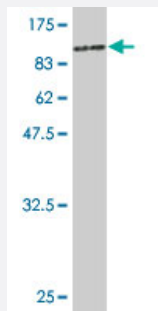
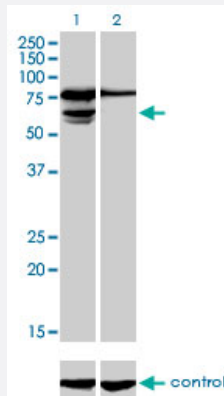
Sandwich ELISA (Recombinant protein)

Detection limit for recombinant GST tagged PGM3 is approximately 3ng/ml as a capture antibody.



RNAi Knockdown (Antibody validated)

Western blot analysis of PGM3 over-expressed 293 cell line, cotransfected with PGM3 Validated Chimera RNAi (Cat # H00005238-R01V) (Lane 2) or non-transfected control (Lane 1). Blot probed with PGM3 monoclonal antibody (M01), clone 1E2-1B12 (Cat # H00005238-M01). GAPDH (36.1 kDa) used as specificity and loading control.



Western Blot detection against Immunogen (85.36 KDa) .

Specification

Product Description

Mouse monoclonal antibody raised against a full length recombinant PGM3.

Immunogen

PGM3 (AAH01258, 1 a.a. ~ 542 a.a) full-length recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.

Sequence

MDLGAIKYSALHAKPNGLILQYGTAGFRTKAEHLDHVMFRMGLLAVLRSKQTKSTIGVMVTASHN
PEEDNGVKLVDP LGEMLAPSWEEHATCLANAEQDMQRVLIDISEKEAVNLQQDAFVVIGRDTR
PSSEKLSQSVIDGVTVLGGQFHDYGLLTPQLHYMVYCRNTGGRYGKATIEGYQKLSKAFVELTK
QASCSGDEYRSLKVDCANGIGALKLREMEHYFSQGLSVQLFNDGSKGKLNHLGADFKSHQK
PPQGMEIKSNERCCSFDGADRIVYYHDADGHFHLIDGDKIATLISSFLKELLVEIGESLNIGVVQT
AYANGSSTRYLEEVMKVPVYCTKTGVKHLHHKAQEFDIGVYFEANGHGTALFSTAVEMKIKQSAE
QLEDKKRKAAMLENIDLFNQAAGDAISDMLVIEAILALKGLTVQQWDALYTDLPNRQLKVQVAD
RRVISTTNAERQAVTPPGLQEAINDLVKKYKLSRAFVRPSGTEDVVRVYAEADSQESADHLAHEV
SLAVFQLAGGIGERPQPGF

Host	Mouse
Reactivity	Human
Isotype	IgG1 kappa
Quality Control Testing	Antibody Reactive Against Recombinant Protein. Western Blot detection against Immunogen (85.36 KDa) .
Storage Buffer	In 1x PBS, pH 7.4
Storage Instruction	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

Applications

- Western Blot (Cell lysate)

PGM3 monoclonal antibody (M01), clone 1E2-1B12 Western Blot analysis of PGM3 expression in HeLa (Cat # L013V1).

[Protocol Download](#)

- Western Blot (Transfected lysate)

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Lane 1: PGM3 transfected lysate(59.9 KDa).

Lane 2: Non-transfected lysate.

[Protocol Download](#)

- Western Blot (Recombinant protein)

[Protocol Download](#)

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

Immunoperoxidase of monoclonal antibody to PGM3 on formalin-fixed paraffin-embedded human colon tissue. [antibody concentration 2 ug/ml]

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[Protocol Download](#)

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[Protocol Download](#)

Gene Info — PGM3

Entrez GeneID [5238](#)

GeneBank Accession# [BC001258](#)

Protein Accession# [AAH01258](#)

Gene Name PGM3

Gene Alias AGM1, DKFZp434B187, PAGM

Gene Description phosphoglucomutase 3

Omim ID [172100](#)

Gene Ontology [Hyperlink](#)

Other Designations N-acetylglucosamine-phosphate mutase|acetylglucosamine phosphomutase|phosphoacetylglucosamine mutase

Publication Reference

- [Hexosamine pathway inhibition overcomes pancreatic cancer resistance to gemcitabine through unfolded protein response and EGFR-Akt pathway modulation.](#)

Francesca Ricciardiello, Yang Gang, Roberta Palorini, Quanxiao Li, Marco Giampà, Fangyu Zhao, Lei You, Barbara La Ferla, Humberto De Vitto, Wenfang Guan, Jin Gu, Taiping Zhang, Yupei Zhao, Ferdinando Chiaradonna.

Oncogene 2020 May; 39(20):4103.

Application: IHC, Human, Human pancreatic cancer

Pathway

- [Amino sugar and nucleotide sugar metabolism](#)

Disease

- [Diabetes Complications](#)
- [Genetic Predisposition to Disease](#)