

# Product Datasheet

## PGM3 Antibody (1E2-1B12) - Azide and BSA Free H00005238-M01

Unit Size: 0.1 mg

Aliquot and store at -20C or -80C. Avoid freeze-thaw cycles.

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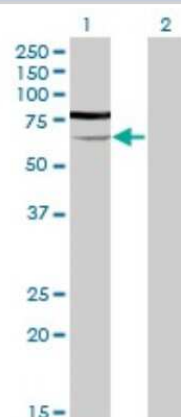
**H00005238-M01**

PGM3 Antibody (1E2-1B12) - Azide and BSA Free

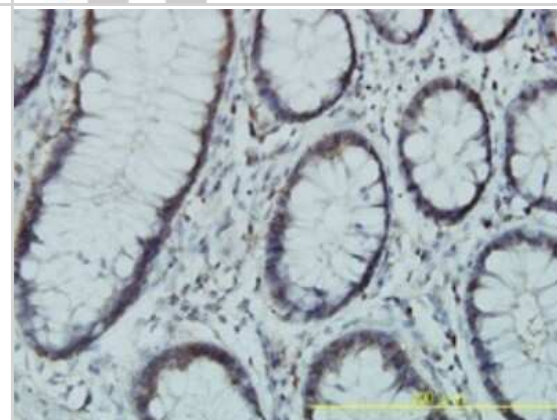
Product Information	
Unit Size	0.1 mg
Concentration	Concentrations vary lot to lot. See vial label for concentration. If unlisted please contact technical services.
Storage	Aliquot and store at -20C or -80C. Avoid freeze-thaw cycles.
Clonality	Monoclonal
Clone	1E2-1B12
Preservative	No Preservative
Isotype	IgG1 Kappa
Purity	IgG purified
Buffer	In 1x PBS, pH 7.4
Product Description	
Description	Quality control test: Antibody Reactive Against Recombinant Protein.
Host	Mouse
Gene ID	5238
Gene Symbol	PGM3
Species	Human
Specificity/Sensitivity	PGM3 - phosphoglucomutase 3
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. MDLGAITKYSALHAKPNGLILQYGTAGFRTKAEHLDHVMFRMGLLAVLRSKQTK STIGVMVTASHNPEEDNGVKLVDPLEMLAPSWEEHATCLANAEEQDMQRVLI DISEKEAVNLQQDAFVVIGRDTRPSSEKLSQSVIDGVTVLGGQFHDYGLLTPPQ LHYMVYCRNTGGRYGKATIEGYYQKLSKAFVELTKQASCSGDEYRSLKVDCA NGIGALKLREMEHYFSQGLSVQLFNDGSKGKLNHLGADDFVKSHQKPPQGM IKSNERCCSFDGDADRIVYYYHDADGHFHLIDGDKIATLISSFLKELLVEIGESLNI GVVQTAYANGSSTRYLEEVMKVPVYCTKTGVKHLHHAQEFDIGVYFEANGH GTALFSTAVEMKIKQSAEQLEDKKRKAAMLENIIDLFNQAAGDAISDMLVIEAIL ALKGLTVQQWDALYTDLPNRQLKVQVADRRVISTTNAERQAVTPPGLQEAIN LVKKYKLSRAFVRPSGTEDVVRVYAEADSQESADHLAHEVSLAVFQLAGGIGE RPQPGF
Notes	This product is produced by and distributed for Abnova, a company based in Taiwan.
Product Application Details	
Applications	Western Blot, ELISA, Immunohistochemistry, Immunohistochemistry-Paraffin, Immunoprecipitation, Sandwich ELISA, Knockdown Validated
Recommended Dilutions	Western Blot 1:500, ELISA, Immunohistochemistry, Immunoprecipitation, Immunohistochemistry-Paraffin, Sandwich ELISA, Knockdown Validated
Application Notes	Antibody reactivity against cell lysate and recombinant protein for WB. It has also been used for IHC-P, RNAi Validation and ELISA.

## Images

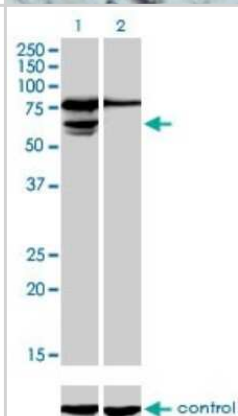
Western Blot: PGM3 Antibody (1E2-1B12) [H00005238-M01] - Analysis of PGM3 expression in transfected 293T cell line by PGM3 monoclonal antibody (M01), clone 1E2-1B12. Lane 1: PGM3 transfected lysate(59.9 KDa). Lane 2: Non-transfected lysate.



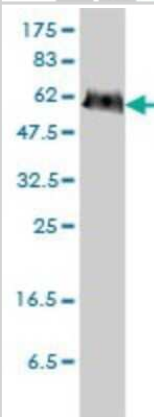
Immunohistochemistry-Paraffin: PGM3 Antibody (1E2-1B12) [H00005238-M01] - Analysis of monoclonal antibody to PGM3 on formalin-fixed paraffin-embedded human colon tissue. Antibody concentration 2 ug/ml.



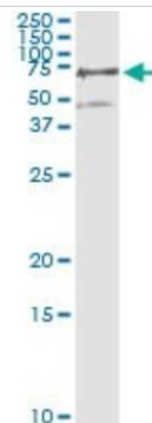
Western Blot: PGM3 Antibody (1E2-1B12) [H00005238-M01] - Analysis of PGM3 over-expressed 293 cell line, cotransfected with PGM3 Validated Chimera RNAi ( Cat # H00005238-R01V ) (Lane 2) or non-transfected control (Lane 1). Blot probed with PGM3 monoclonal antibody (M01), clone 1E2-1B12 (Cat # H00005238-M01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



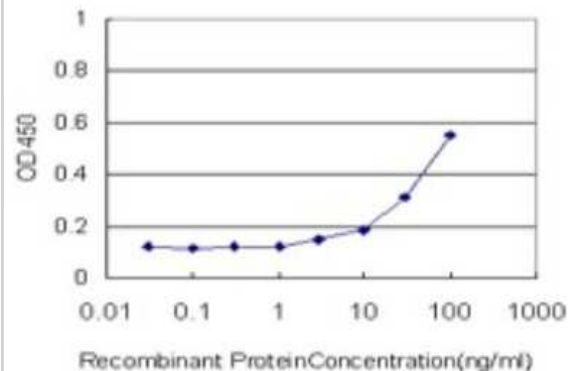
Western Blot: PGM3 Antibody (1E2-1B12) [H00005238-M01] - PGM3 monoclonal antibody (M01), clone 1E2-1B12 Analysis of PGM3 expression in HeLa.



Immunoprecipitation: PGM3 Antibody (1E2-1B12) [H00005238-M01] - Analysis of PGM3 transfected lysate using anti-PGM3 monoclonal antibody and Protein A Magnetic Bead, and immunoblotted with PGM3 MaxPab rabbit polyclonal antibody.



Sandwich ELISA: PGM3 Antibody (1E2-1B12) [H00005238-M01] - Detection limit for recombinant GST tagged PGM3 is approximately 3ng/ml as a capture antibody.



## Publications

Francesca R, Yang G, Roberta P et al. Hexosamine pathway inhibition overcomes pancreatic cancer resistance to gemcitabine through unfolded protein response and EGFR-Akt pathway modulation. *Oncogene*. 2020-03-31 [PMID: 32235891]



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### Products Related to H00005238-M01

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HAF007	Goat anti-Mouse IgG Secondary Antibody [HRP]
NB720-B	Rabbit anti-Mouse IgG (H+L) Secondary Antibody [Biotin]
NBP1-43319-0.5mg	Mouse IgG1 Kappa Isotype Control (P3.6.2.8.1)
H00005238-P01-10ug	Recombinant Human PGM3 GST (N-Term) Protein

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### Limitations

This product is for research use only and is not approved for use in humans or in clinical diagnosis. Primary Antibodies are guaranteed for 1 year from date of receipt.

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