

Product Datasheet

Hexokinase 2 Antibody (4H1) - Azide and BSA Free H00003099-M01

Unit Size: 0.1 mg

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

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H00003099-M01

Hexokinase 2 Antibody (4H1) - Azide and BSA Free

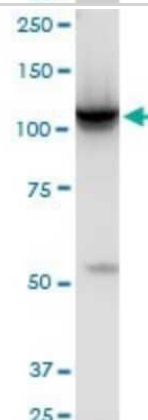
Product Information	
Unit Size	0.1 mg
Concentration	Concentrations vary lot to lot. See vial label for concentration. If unlisted please contact technical services.
Storage	Aliquot and store at -20C or -80C. Avoid freeze-thaw cycles.
Clonality	Monoclonal
Clone	4H1
Preservative	No Preservative
Isotype	IgG2a 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	3099
Gene Symbol	HK2
Species	Human, Rat
Specificity/Sensitivity	HK2 - hexokinase 2 (4H1)
Immunogen	HK2 (AAH21116, 818 a.a. ~ 917 a.a) partial recombinant protein with GST tag. MW of the GST tag alone is 26 KDa. IVKEVCTVVARRAAQLCGAGMAAVVDRIENRGLDALKVTVGVDGTLYKLHPH FAKVMHETVKDLAPKCDVSFLQSEDSGSGKAALITAVACRIREAGQR
Notes	This product is produced by and distributed for Abnova, a company based in Taiwan.
Product Application Details	
Applications	Western Blot, ELISA, Sandwich ELISA
Recommended Dilutions	Western Blot 1:500, ELISA, Sandwich ELISA
Application Notes	Antibody reactivity against cell lysate and recombinant protein for WB. It has also been used for ELISA.

Images

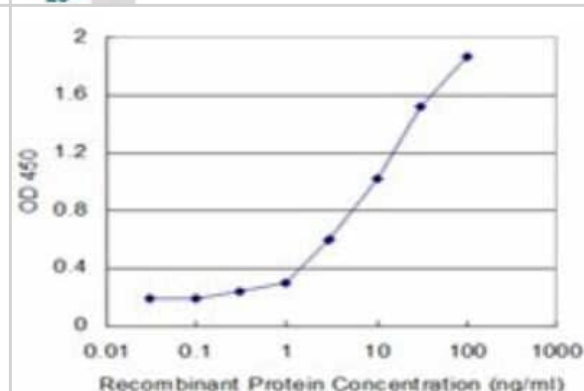
Western Blot: Hexokinase 2 Antibody (4H1) [H00003099-M01] - HK2 monoclonal antibody (M01), clone 4H1. Analysis of HK2 expression in A-431.



Western Blot: Hexokinase 2 Antibody (4H1) [H00003099-M01] - HK2 monoclonal antibody (M01), clone 4H1. Analysis of HK2 expression in PC-12.



Sandwich ELISA: Hexokinase 2 Antibody (4H1) [H00003099-M01] - Detection limit for recombinant GST tagged HK2 is approximately 0.3ng/ml as a capture antibody.



Publications

Serena C, Fabio C, Daniela T et al. ROS-dependent HIF1 α activation under forced lipid catabolism entails glycolysis and mitophagy as mediators of higher proliferation rate in cervical cancer cells. *J Exp Clin Cancer Res.* 2021-03-11 [PMID: 33706793]

Pamela F, Giacomo L, Federica F et al. Hindering NAT8L expression in hepatocellular carcinoma increases cytosolic aspartate delivery that fosters pentose phosphate pathway and purine biosynthesis promoting cell proliferation. *Redox Biol.* 2022-12-24 [PMID: 36580805]

Serena C, Fabio C, Pamela F et al. Adaptive antioxidant response to mitochondrial fatty acid oxidation determines the proliferative outcome of cancer cells. *Cancer Lett.* 2022-11-17 [PMID: 36402229]

Desideri E, Vegliante R, Cardaci S et al. MAPK14/p38 α -dependent modulation of glucose metabolism affects ROS levels and autophagy during starvation. *Autophagy* 2014-09-01 [PMID: 25046111] (WB)

Richter S, Richter JP, Mehta SY et al. Expression and role in glycolysis of human ADP-dependent glucokinase. *Mol Cell Biochem* 2012-01-05 [PMID: 22219026]



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Products Related to H00003099-M01

HAF007	Goat anti-Mouse IgG Secondary Antibody [HRP]
NB720-B	Rabbit anti-Mouse IgG (H+L) Secondary Antibody [Biotin]
NBP1-96981-0.5mg	Mouse IgG2a Kappa Isotype Control (M2AK)
NBP3-21294PEP	Hexokinase 2 Recombinant Protein Antigen

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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