

# Product Datasheet

## ADPGK Antibody (1E4) - Azide and BSA Free H00083440-M01

Unit Size: 0.1 mg

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

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**H00083440-M01**

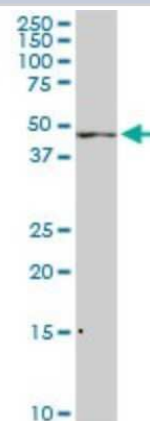
ADPGK Antibody (1E4) - Azide and BSA Free

Product Information	
<b>Unit Size</b>	0.1 mg
<b>Concentration</b>	Concentrations vary lot to lot. See vial label for concentration. If unlisted please contact technical services.
<b>Storage</b>	Aliquot and store at -20C or -80C. Avoid freeze-thaw cycles.
<b>Clonality</b>	Monoclonal
<b>Clone</b>	1E4
<b>Preservative</b>	No Preservative
<b>Isotype</b>	IgG2a Kappa
<b>Purity</b>	IgG purified
<b>Buffer</b>	In 1x PBS, pH 7.4
Product Description	
<b>Description</b>	Novus Biologicals Knockout (KO) Validated Mouse ADPGK Antibody (1E4) - Azide and BSA Free (H00083440-M01) is a monoclonal antibody validated for use in WB and ELISA. Anti-ADPGK Antibody: Cited in 3 publications. All Novus Biologicals antibodies are covered by our 100% guarantee.
<b>Host</b>	Mouse
<b>Gene ID</b>	83440
<b>Gene Symbol</b>	ADPGK
<b>Species</b>	Human, Mouse, Rat
<b>Specificity/Sensitivity</b>	ADPGK - ADP-dependent glucokinase
<b>Immunogen</b>	ADPGK (NP_112574, 425 a.a. ~ 496 a.a) partial recombinant protein with GST tag. MW of the GST tag alone is 26 KDa. SLRAPQEFMTSHSEAGSRIVLNPNKPVVEWHREGISFHFTPVLVCKDPIRTVGL GDAISAEGLFYSEVHPHY
<b>Notes</b>	This product is produced by and distributed for Abnova, a company based in Taiwan.
Product Application Details	
<b>Applications</b>	Western Blot, ELISA, Sandwich ELISA, Knockdown Validated, Knockout Validated
<b>Recommended Dilutions</b>	Western Blot 1:500, ELISA, Sandwich ELISA, Knockout Validated, Knockdown Validated
<b>Application Notes</b>	Antibody reactive against cell lysate, transfected lysate and recombinant protein for western blot. It has also been used for RNAi validation and ELISA. Knock Out Validation was reported in scientific literature (PMID: 23799003).

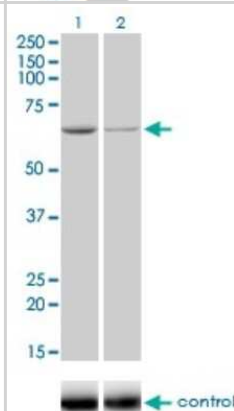


## Images

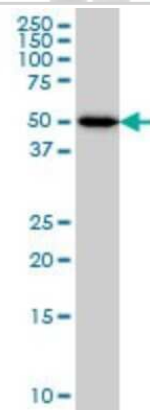
Western Blot: ADPGK Antibody (1E4) [H00083440-M01] - ADPGK monoclonal antibody (M01), clone 1E4. Analysis of ADPGK expression in NIH/3T3.



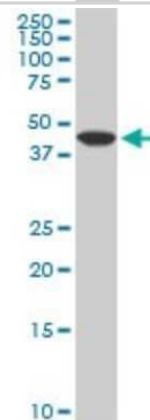
Western Blot: ADPGK Antibody (1E4) [H00083440-M01] - Analysis of ADPGK over-expressed 293 cell line, cotransfected with ADPGK Validated Chimera RNAi ( Cat # H00083440-R01V ) (Lane 2) or non-transfected control (Lane 1). Blot probed with ADPGK monoclonal antibody (M01), clone 1E4 (Cat # H00083440-M01 ). GAPDH ( 36.1 kDa ) used as specificity and loading control.



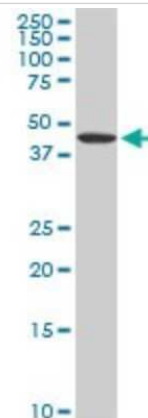
Western Blot: ADPGK Antibody (1E4) [H00083440-M01] - ADPGK monoclonal antibody (M01), clone 1E4 Analysis of ADPGK expression in HeLa.



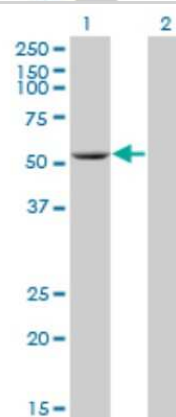
Western Blot: ADPGK Antibody (1E4) [H00083440-M01] - ADPGK monoclonal antibody (M01), clone 1E4. Analysis of ADPGK expression in PC-12.



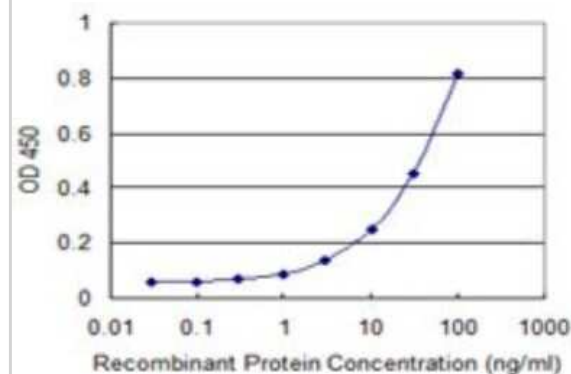
Western Blot: ADPGK Antibody (1E4) [H00083440-M01] - ADPGK monoclonal antibody (M01), clone 1E4. Analysis of ADPGK expression in Raw 264.7.



Western Blot: ADPGK Antibody (1E4) [H00083440-M01] - Analysis of ADPGK expression in transfected 293T cell line by ADPGK monoclonal antibody (M01), clone 1E4. Lane 1: ADPGK transfected lysate(54.1 KDa). Lane 2: Non-transfected lysate.



Sandwich ELISA: ADPGK Antibody (1E4) [H00083440-M01] - Detection limit for recombinant GST tagged ADPGK is 0.3 ng/ml as a capture antibody.



## Publications

Richter S, Morrison S, Connor T et al. Zinc finger nuclease mediated knockout of ADP-dependent glucokinase in cancer cell lines: effects on cell survival and mitochondrial oxidative metabolism. PLoS One 2013-06-14 [PMID: 23799003] (KO, Human)

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]

Blandin G, Marchand S, Charton K et al. A human skeletal muscle interactome centered on proteins involved in muscular dystrophies: LGMD interactome. Skelet Muscle 2013-02-15 [PMID: 23414517] (WB, Human)



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### **Products Related to H00083440-M01**

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NBP2-33376H	Blue Marker Antibody (6F4-F6) [HRP]
HAF007	Goat anti-Mouse IgG Secondary Antibody [HRP]
NB7539	Goat anti-Mouse IgG (H+L) Secondary Antibody [HRP]
NBP1-96981-0.5mg	Mouse IgG2a Kappa Isotype Control (M2AK)

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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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