

# ADPGK Antibody (monoclonal) (M01)

Mouse monoclonal antibody raised against a partial recombinant ADPGK.

Catalog # AT1057a

## Product Information

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<b>Application</b>	WB, E
<b>Primary Accession</b>	<a href="#">Q9BRR6</a>
<b>Other Accession</b>	<a href="#">NM_031284</a>
<b>Reactivity</b>	Human, Mouse, Rat
<b>Host</b>	mouse
<b>Clonality</b>	monoclonal
<b>Isotype</b>	IgG2a Kappa
<b>Clone Names</b>	1E5
<b>Calculated MW</b>	54089

## Additional Information

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<b>Gene ID</b>	83440
<b>Other Names</b>	ADP-dependent glucokinase, ADP-GK, ADPGK, RbBP-35, ADPGK
<b>Target/Specificity</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.
<b>Dilution</b>	WB~~1:500~1000 E~~N/A
<b>Format</b>	Clear, colorless solution in phosphate buffered saline, pH 7.2 .
<b>Storage</b>	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.
<b>Precautions</b>	ADPGK Antibody (monoclonal) (M01) is for research use only and not for use in diagnostic or therapeutic procedures.

## Background

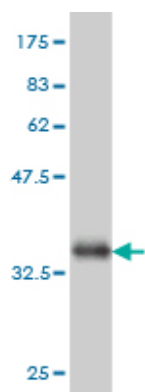
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ADPGK (EC 2.7.1.147) catalyzes the ADP-dependent phosphorylation of glucose to glucose-6-phosphate and may play a role in glycolysis, possibly during ischemic conditions (Ronimus and Morgan, 2004 [PubMed 14975750]).

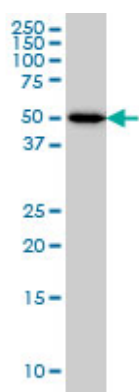
## References

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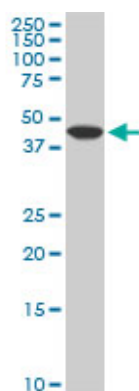
- 1.Expression and role in glycolysis of human ADP-dependent glucokinase.Richter S, Richter JP, Mehta SY, Gribble AM, Sutherland-Smith AJ, Stowell KM, Print CG, Ronimus RS, Wilson WR.Mol Cell Biochem. 2012 Jan 5. [Epub ahead of print]



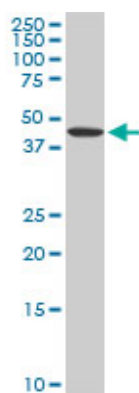
Antibody Reactive Against Recombinant Protein. Western Blot detection against Immunogen (33.66 KDa) .



ADPGK monoclonal antibody (M01), clone 1E4 Western Blot analysis of ADPGK expression in HeLa ( (Cat # AT1057a )

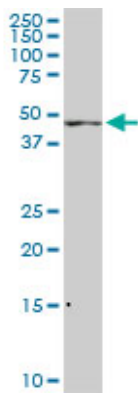


ADPGK monoclonal antibody (M01), clone 1E4. Western Blot analysis of ADPGK expression in PC-12((Cat # AT1057a )



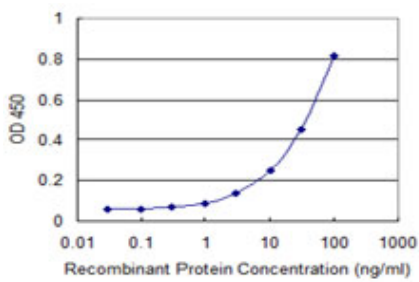
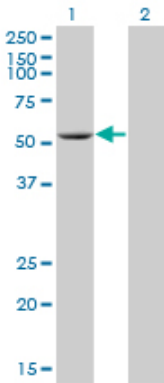
ADPGK monoclonal antibody (M01), clone 1E4. Western Blot analysis of ADPGK expression in Raw 264.7((Cat # AT1057a )

ADPGK monoclonal antibody (M01), clone 1E4. Western Blot analysis of ADPGK expression in NIH/3T3((Cat # AT1057a )



Western Blot 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.



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

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.