

## ADPGK Antibody (monoclonal) (M01)

Mouse monoclonal antibody raised against a partial recombinant ADPGK.

Catalog # AT1057a

### Specification

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#### ADPGK Antibody (monoclonal) (M01) - Product Information

Application	WB, E
Primary Accession	<a href="#">O9BRR6</a>
Other Accession	<a href="#">NM_031284</a>
Reactivity	Human, Mouse, Rat
Host	mouse
Clonality	Monoclonal
Isotype	IgG2a Kappa
Calculated MW	54089

#### ADPGK Antibody (monoclonal) (M01) - Additional Information

Gene ID 83440

##### Other Names

ADP-dependent glucokinase, ADP-GK, ADPGK, RbBP-35, ADPGK

##### Target/Specificity

ADPGK (NP\_112574, 425 a.a. ~ 496 a.a) partial recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.

##### Dilution

WB ~ ~ 1:500 ~ 1000

##### Format

Clear, colorless solution in phosphate buffered saline, pH 7.2 .

##### Storage

Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

##### Precautions

ADPGK Antibody (monoclonal) (M01) is for research use only and not for use in diagnostic or therapeutic procedures.

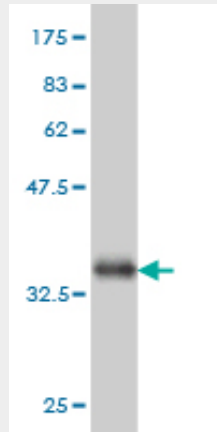
#### ADPGK Antibody (monoclonal) (M01) - Protocols

Provided below are standard protocols that you may find useful for product applications.

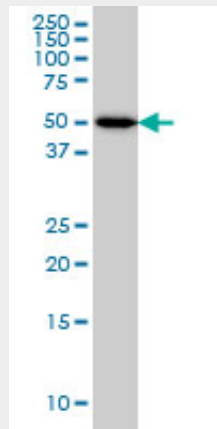
- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)

- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

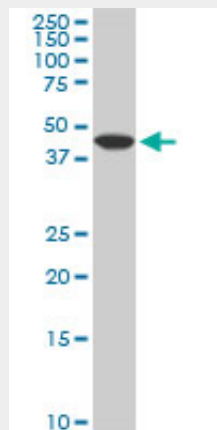
### ADPGK Antibody (monoclonal) (M01) - Images



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

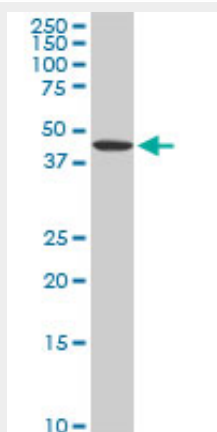


ADPGK monoclonal antibody (M01), clone 1E4 Western Blot analysis of ADPGK expression in HeLa ( (Cat # AT1057a )

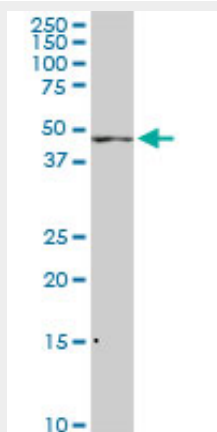


ADPGK monoclonal antibody (M01), clone 1E4. Western Blot analysis of ADPGK expression in

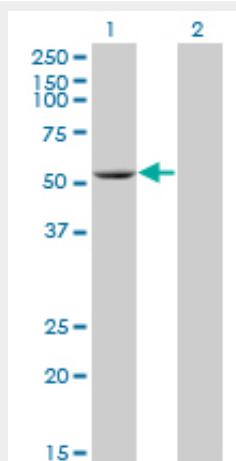
PC-12((Cat # AT1057a )



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



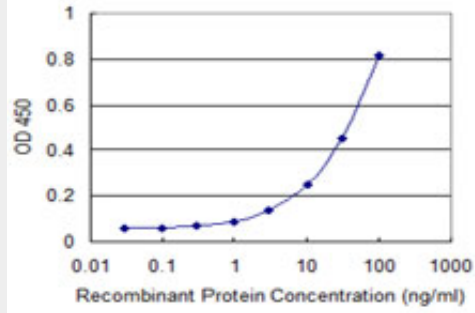
ADPGK monoclonal antibody (M01), clone 1E4. Western Blot analysis of ADPGK expression in NIH/3T3((Cat # AT1057a )



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.

### **ADPGK Antibody (monoclonal) (M01) - Background**

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]).

### **ADPGK Antibody (monoclonal) (M01) - References**

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]