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ADPGK Antibody (monoclonal) (M01)

Mouse monoclonal antibody raised against a partial recombinant ADPGK.
Catalog # AT1057a

Product Information

Application	WB, E
Primary Accession	Q9BRR6
Other Accession	NM_031284
Reactivity	Human, Mouse, Rat
Host	mouse
Clonality	monoclonal
Isotype	IgG2a Kappa
Clone Names	1E5
Calculated MW	54089

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 E~~N/A
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.

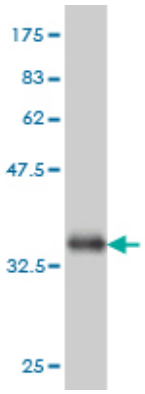
Background

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]).

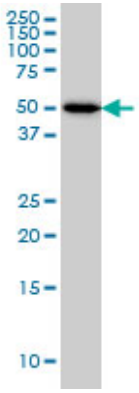
References

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]

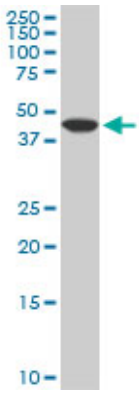
Images



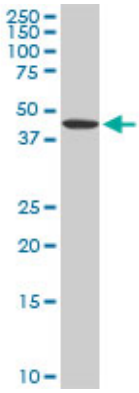
Antibody Reactive Against Recombinant Protein.Western Blot detection against Immunogen (33.66 KDa) .



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

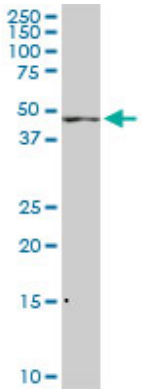


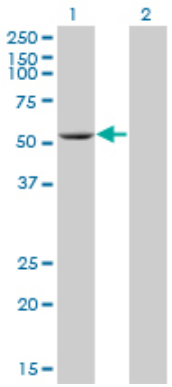
ADPGK monoclonal antibody (M01), clone 1E4. Western Blot analysis of ADPGK expression in PC-12((Cat # AT1057a)



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

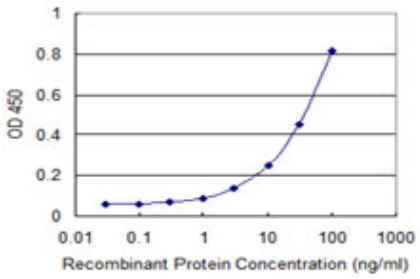
ADPGK monoclonal antibody (M01), clone 1E4. Western Blot analysis of ADPGK expression in NIH/3T3((Cat # AT1057a)





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.

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