

For Research Use Only

ADPGK Monoclonal antibody

Catalog Number: 68034-1-Ig



Basic Information

Catalog Number: 68034-1-Ig	GenBank Accession Number: BC006112	Purification Method: Protein G purification
Size: 1000 µg/ml	GeneID (NCBI): 83440	CloneNo.: 2B4B8
Source: Mouse	UNIPROT ID: Q9BRR6	Recommended Dilutions: WB 1:2000-1:10000
Isotype: IgG1	Full Name: ADP-dependent glucokinase	
Immunogen Catalog Number: AG31242	Calculated MW: 497 aa, 54 kDa	
	Observed MW: 51 kDa	

Applications

Tested Applications: WB, ELISA	Positive Controls: WB : A549 cells, HeLa cells, human placenta tissue, LNCaP cells, THP-1 cells, Jurkat cells, K-562 cells
Species Specificity: Human	

Background Information

ADP-dependent glucokinase (ADPGK) has first been described 1994 in hyperthermophilic archaea as a novel glucose-phosphorylating enzyme dependent on ADP (adenosine diphosphate) instead of ATP (adenosine triphosphate). Highest ADPGK expression is found in immune cells of both myeloid and lymphoid lineages. Catalyzes the phosphorylation of D-glucose to D-glucose 6-phosphate using ADP as the phosphate donor. GDP and CDP can replace ADP, but with reduced efficiency (By similarity).

Storage

Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

For technical support and original validation data for this product please contact:

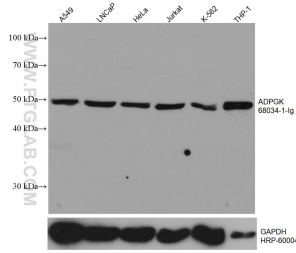
T: 4006900926

E: Proteintech-CN@ptglab.com

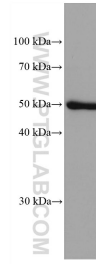
W: ptgcn.com

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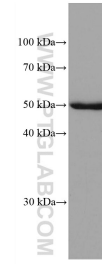
Selected Validation Data



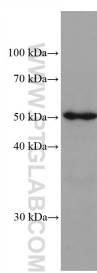
Various lysates were subjected to SDS PAGE followed by western blot with 68034-1-Ig (ADPGK antibody) at dilution of 1:5000 incubated at room temperature for 1.5 hours. The membrane was stripped and reblotted with HRP-conjugated GAPDH Monoclonal antibody (HRP-60004) as loading control.



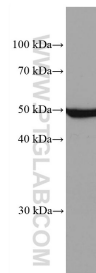
LNCaP cells were subjected to SDS PAGE followed by western blot with 68034-1-Ig (ADPGK antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours.



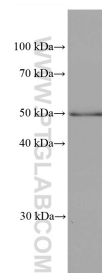
A549 cells were subjected to SDS PAGE followed by western blot with 68034-1-Ig (ADPGK antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours.



HeLa cells were subjected to SDS PAGE followed by western blot with 68034-1-Ig (ADPGK antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours.



THP-1 cells were subjected to SDS PAGE followed by western blot with 68034-1-Ig (ADPGK antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours.



human placenta tissue were subjected to SDS PAGE followed by western blot with 68034-1-Ig (ADPGK antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours.