For Research Use Only

ADPGK Monoclonal antibody, PBS Only

Catalog Number:68034-1-PBS

Basic Information

Catalog Number:
68034-1-PBS

Size:
100ug , Concentration: 1 mg/ml by Nanodrop;

Source:
Mouse

Isotype:
IgG1

Immunogen Catalog Number:
AG31242

GenBank Accession Number:
BC006112

GeneID (NCBI):
83440

UNIPROT ID:
Q9BRR6

Full Name:
ADP-dependent glucokinase

Calculated MW:
497 aa, 54 kDa

Observed MW:
51 kDa

Purification Method:
Protein G purification

CloneNo.:
2B4B8

Applications

Tested Applications:
WB, Indirect ELISA

Species Specificity:
Human

Background Information

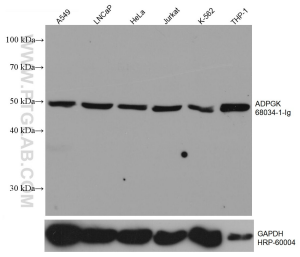
ADP-dependent glucokinase (ADPGK) has frst been described 1994 in hyperthermophilic archaea as a novel glucose-phosphorylating enzyme dependent on ADP (adenosine diphosphate) instead of ATP (adenosine triphosphate). Highest ADPGK expression is found in immune cells of both myeloid and lymphoid lineages. 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

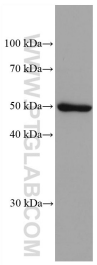
Storage:
Store at -80°C.
Storage Buffer:
PBS Only

For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
W: ptglab.com

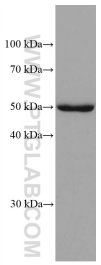
Selected Validation Data



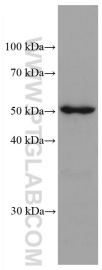
Various lysates were subjected to SDS PAGE followed by western blot with 68034-1-Ig (ADPGK antibody) at dilution of 1:5000 incubated at room temperature for 1.5 hours. The membrane was stripped and reblotted with HRP-conjugated GAPDH Monoclonal antibody (HRP-60004) as loading control. This data was developed using the same antibody clone with 68034-1-PBS in a different storage buffer formulation.



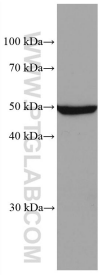
LNCaP cells were subjected to SDS PAGE followed by western blot with 68034-1-Ig (ADPGK antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 68034-1-PBS in a different storage buffer formulation.



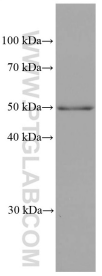
A549 cells were subjected to SDS PAGE followed by western blot with 68034-1-Ig (ADPGK antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 68034-1-PBS in a different storage buffer formulation.



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. This data was developed using the same antibody clone with 68034-1-PBS in a different storage buffer formulation.



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. This data was developed using the same antibody clone with 68034-1-PBS in a different storage buffer formulation.



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. This data was developed using the same antibody clone with 68034-1-PBS in a different storage buffer formulation.