BOSTER BIOLOGICAL TECHNOLOGY
3942 B Valley Ave, Pleasanton, CA 94566
888-466-3604 | support@bosterbio.com | www.bosterbio.com

Anti-PGK1 Antibody

Catalog Number: M01449-1

About PGK1

In addition to its role as a glycolytic enzyme, it seems that PGK-1 acts as a polymerase alpha cofactor protein (primer recognition protein).

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Overview

Product Name	Anti-PGK1 Antibody
Reactive Species	Human, Mouse
Description	Boster Bio Anti-PGK1 Antibody (Catalog # M01449-1). Tested in WB, Flow Cytometry, IHC-P application(s). This antibody reacts with Human, Mouse.
Application	Flow Cytometry, IHC-P, WB
Clonality	Monoclonal 1086CT10.2.1
Formulation	Purified monoclonal antibody supplied in PBS with 0.09% (W/V) sodium azide.
Storage Instructions	Maintain refrigerated at 2-8°C for up to 2 weeks. For long-term storage, store at -20°C in small aliquots to prevent freeze-thaw cycles.
Host	Mouse
Uniprot ID	P00558

Technical Details

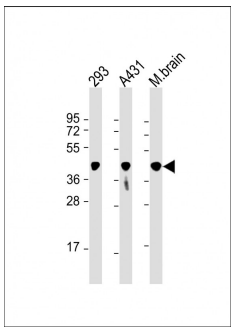
Immunogen	This antibody is generated from a mouse immunized with a KLH conjugated synthetic peptide between 1-417 amino acids from human.
Predicted Reactive Species	Human
Isotype	IgG2a,k
Purification	This antibody is purified through a protein G column, followed by dialysis against PBS.
Suggested Dilutions	WB: 1:8000 IHC-P: 1:25

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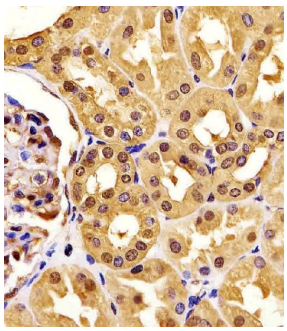
	FC: 1:25 Tested Species: In-house tested species with positive results. Other applications have not been tested. Optimal dilutions should be determined by end users.

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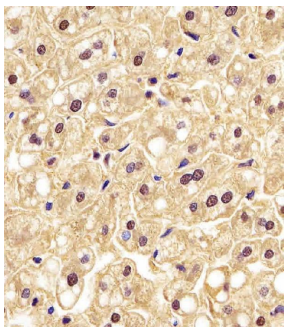
Anti-PGK1 Antibody (M01449-1) Images



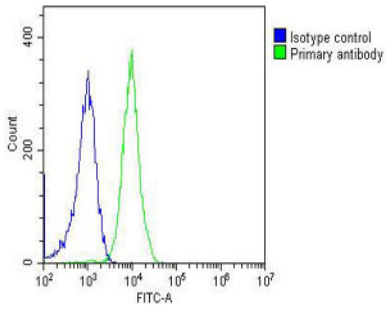
All lanes : Anti-PGK1 Antibody at 1:8000 dilutionLane 1: 293 whole cell lysateLane 2: A431 whole cell lysateLane 3: mouse brain lysateLysates/proteins at 20 µg per lane. SecondaryGoat Anti-mouse IgG, (H+L), Peroxidase conjugated at 1/10000 dilution. Predicted band size : 45 kDaBlocking/Dilution buffer: 5% NFDM/TBST.



M01449-1 staining PGK1 in human kidney tissue sections by Immunohistochemistry (IHC-P -paraformaldehyde-fixed, paraffin-embedded sections). Tissue was fixed with formaldehyde and blocked with 3% BSA for 0. 5 hour at room temperature; antigen retrieval was by heat mediation with a citrate buffer (pH6). Samples were incubated with primary antibody (1/25) for 1 hours at 37°C. A undiluted biotinylated goat polyvalent antibody was used as the secondary antibody.



M01449-1 staining PGK1 in human liver tissue sections by Immunohistochemistry (IHC-P -paraformaldehyde-fixed, paraffin-embedded sections). Tissue was fixed with formaldehyde and blocked with 3% BSA for 0. 5 hour at room temperature; antigen retrieval was by heat mediation with a citrate buffer (pH6). Samples were incubated with primary antibody (1/25) for 1 hours at 37°C. A undiluted biotinylated goat polyvalent antibody was used as the secondary antibody.



Overlay histogram showing Jurkat cells stained with M01449-1 (green line). The cells were fixed with 2% paraformaldehyde (10 min) and then permeabilized with 90% methanol for 10 min. The cells were then icubated in 2% bovine serum albumin to block non-specific protein-protein interactions followed by the antibody (M01449-1, 1:25 dilution) for 60 min at 37ºC. The secondary antibody used was Goat-Anti-Mouse IgG, DyLight® 488 Conjugated Highly Cross-Adsorbed at 1/200 dilution for 40 min at 37ºC. Isotype control antibody (blue line) was mouse IgG2a (1g/1x10^6 cells) used under the same conditions. Acquisition of >10, 000 events was performed.

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