

For Research Use Only

PFKL Monoclonal antibody, PBS Only

Catalog Number: 68385-1-PBS



Basic Information

Catalog Number: 68385-1-PBS	GenBank Accession Number: BC008964	Purification Method: Protein G purification
Size: 1mg/ml	GeneID (NCBI): 5211	CloneNo.: 1H2G2
Source: Mouse	UNIPROT ID: P17858	
Isotype: IgG1	Full Name: phosphofructokinase, liver	
Immunogen Catalog Number: AG8250	Calculated MW: 85 kDa	
	Observed MW: 85 kDa	

Applications

Tested Applications:
WB, IHC, IF/ICC, Indirect ELISA

Species Specificity:
Human, Mouse, Rat, Rabbit, Pig

Background Information

PFKL (6-phosphofructokinase, liver type) is also named as PFK-B and belongs to the phosphofructokinase family. The PFKL gene encodes the liver isoform of phosphofructokinase (PFK) (ATP: D-fructose-6-phosphate-1-phosphotransferase). PFK catalyzes the irreversible conversion of fructose-6-phosphate to fructose-1,6-bisphosphate and is a key regulatory enzyme in glycolysis. In human beings, PFK exists as a system of three subunits: these are the muscle(PFKM), liver(PFKL), and platelet(PFKP) PFKs (PMID: 2139864). It has 2 isoforms produced by alternative splicing.

Storage

Storage:
Store at -80°C.
The product is shipped with ice packs. Upon receipt, store it immediately at -80°C

Storage Buffer:
PBS Only

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

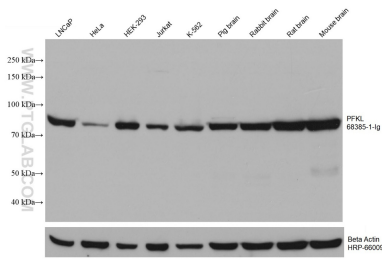
T: 4006900926

E: Proteintech-CN@ptglab.com

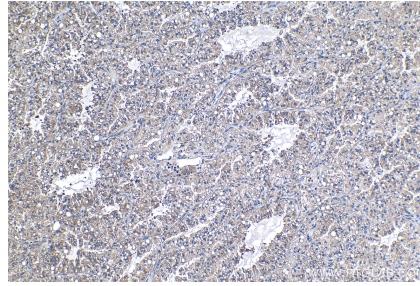
W: ptgcn.com

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

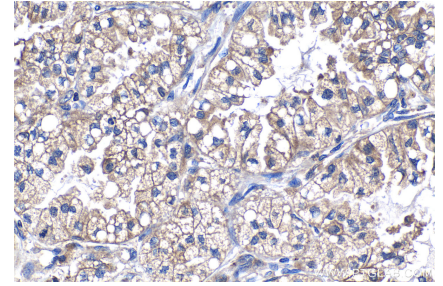
Selected Validation Data



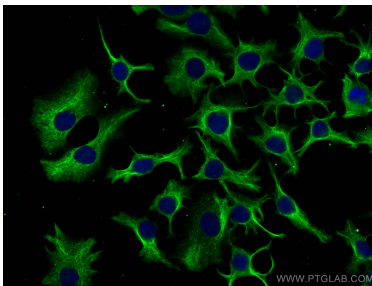
Various lysates were subjected to SDS PAGE followed by western blot with 68385-1-Ig (PFKL antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours. The membrane was stripped and reblotted with HRP-conjugated Beta Actin Monoclonal antibody (HRP-66009) as loading control. This data was developed using the same antibody clone with 68385-1-PBS in a different storage buffer formulation.



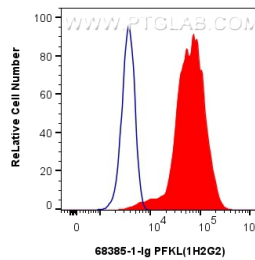
Immunohistochemical analysis of paraffin-embedded human lung cancer tissue slide using 68385-1-Ig (PFKL antibody) at dilution of 1:2000 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). This data was developed using the same antibody clone with 68385-1-PBS in a different storage buffer formulation.



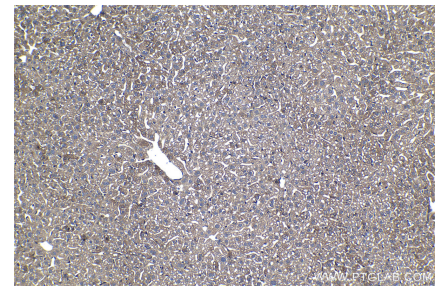
Immunohistochemical analysis of paraffin-embedded human lung cancer tissue slide using 68385-1-Ig (PFKL antibody) at dilution of 1:2000 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). This data was developed using the same antibody clone with 68385-1-PBS in a different storage buffer formulation.



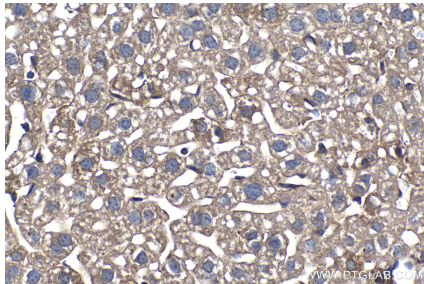
Immunofluorescent analysis of (-20°C Methanol) fixed HuH-7 cells using PFKL antibody (68385-1-Ig, Clone: 1H2G2) at dilution of 1:800 and CoraLite@488-Conjugated AffiniPure Goat Anti-Mouse IgG(H+L). This data was developed using the same antibody clone with 68385-1-PBS in a different storage buffer formulation.



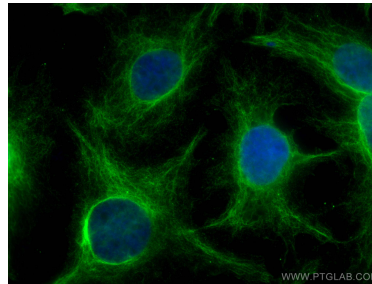
1x10⁶ HEK-293 cells were intracellularly stained with 0.8 ug PFKL Monoclonal antibody (68385-1-Ig, Clone:1H2G2) and CoraLite@488-Conjugated AffiniPure Goat Anti-Mouse IgG(H+L) (SA00013-1)(red), or 0.8 ug Mouse IgG1 isotype control Mouse McAb (66360-1-Ig, Clone: 1F8D3) (blue). Cells were fixed with 4% PFA and permeabilized with Flow Cytometry Perm Buffer (PF00011-C). This data was developed using the same antibody clone with 68385-1-PBS in a different storage buffer



Immunohistochemical analysis of paraffin-embedded mouse liver tissue slide using 68385-1-Ig (PFKL antibody) at dilution of 1:2000 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). This data was developed using the same antibody clone with 68385-1-PBS in a different storage buffer formulation.



Immunohistochemical analysis of paraffin-embedded mouse liver tissue slide using 68385-1-Ig (PFKL antibody) at dilution of 1:2000 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). This data was developed using the same antibody clone with 68385-1-PBS in a different storage buffer formulation.



Immunofluorescent analysis of (4% PFA) fixed HuH-7 cells using PFKL antibody (68385-1-Ig, Clone: 1H2G2) at dilution of 1:800 and CoraLite@488-Conjugated AffiniPure Goat Anti-Mouse IgG(H+L). This data was developed using the same antibody clone with 68385-1-PBS in a different storage buffer formulation.