

For Research Use Only

PFKL Polyclonal antibody

Catalog Number: 15652-1-AP **7 Publications**



Basic Information

Catalog Number: 15652-1-AP	GenBank Accession Number: BC008964	Purification Method: Antigen affinity purification
Size: 170 µg/ml	GeneID (NCBI): 5211	Recommended Dilutions: WB 1:500-1:1000 IHC 1:20-1:200
Source: Rabbit	UNIPROT ID: P17858	
Isotype: IgG	Full Name: phosphofructokinase, liver	
Immunogen Catalog Number: AG8250	Calculated MW: 85 kDa	
	Observed MW: 85 kDa	

Applications

Tested Applications: IHC, WB, ELISA	Positive Controls: WB : HeLa cells, IHC : human liver cancer tissue,
Cited Applications: WB	
Species Specificity: human, mouse, rat	
Cited Species: human, mouse	
Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0	

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.

Notable Publications

Author	Pubmed ID	Journal	Application
Xiao Li	29845188	Int J Oncol	WB
Jun Wang	27049827	Oncotarget	WB
Xiuying Zhong	28325773	EMBO Rep	WB

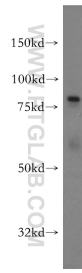
Storage

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

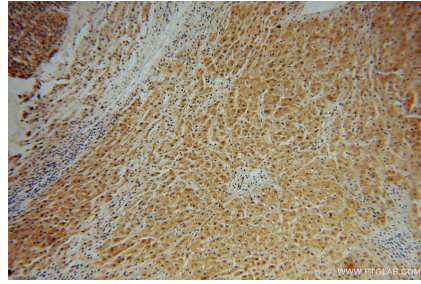
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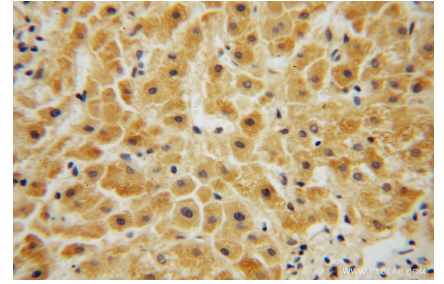
Selected Validation Data



HeLa cells were subjected to SDS PAGE followed by western blot with 15652-1-AP (PFKL antibody) at dilution of 1:500 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded human liver cancer using 15652-1-AP (PFKL antibody) at dilution of 1:50 (under 10x lens).



Immunohistochemical analysis of paraffin-embedded human liver cancer using 15652-1-AP (PFKL antibody) at dilution of 1:50 (under 40x lens).