

PFKL Polyclonal antibody

Catalog Number: 15652-1-AP

7 Publications

Basic Information

Catalog Number:

15652-1-AP

Size:

170 µg/ml

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG8250

GenBank Accession Number:

BC008964

GeneID (NCBI):

5211

UNIPROT ID:

P17858

Full Name:

phosphofructokinase, liver

Calculated MW:

85 kDa

Observed MW:

85 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

WB 1:500-1:1000

IHC 1:20-1:200

Applications

Tested Applications:

IHC, WB, ELISA

Cited Applications:

WB

Species Specificity:

human, mouse, rat

Cited Species:

human, mouse

Positive Controls:

WB: HeLa cells,

IHC: human liver cancer tissue,

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

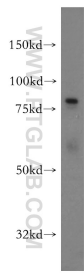
For technical support and original validation data for this product please contact:

T: 4006900926

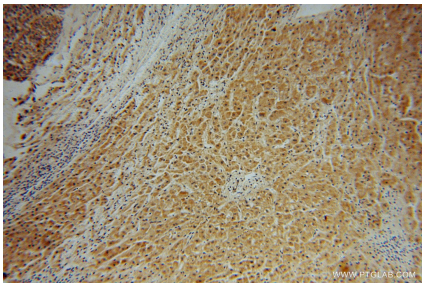
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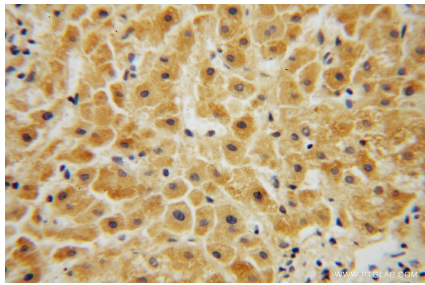
Selected Validation Data



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).