

## PFKFB3-Specific Polyclonal Antibody

Catalog number: 13763-1-AP

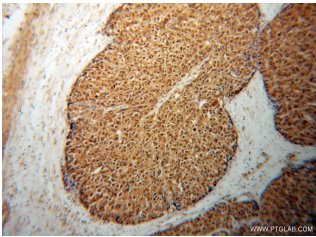
Size: 60 µg/150 µl

Source: Rabbit

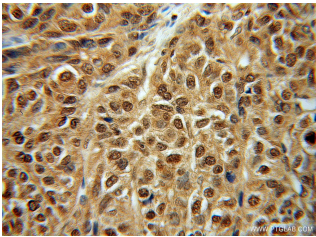
Isotype: IgG

Synonyms:

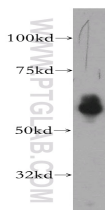
PFKFB3; 6PF 2 K/Fru 2,6 P2ase  
3, FLJ37326, IPFK2, PFK/FBPase  
3, PFK2, PFKFB3



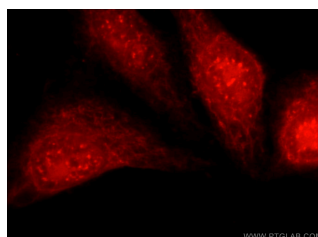
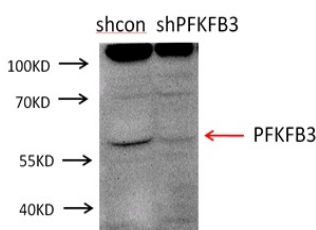
Immunohistochemical of paraffin-embedded human liver cancer using 13763-1-AP (PFKFB3 antibody) at dilution of 1:100 (under 10x lens)



Immunohistochemical of paraffin-embedded human liver cancer using 13763-1-AP (PFKFB3 antibody) at dilution of 1:100 (under 40x lens)



mouse thymus tissue were subjected to SDS PAGE followed by western blot with 13763-1-AP (PFKFB3 antibody) at dilution of 1:600



### Background

PFKFB3, also named as NY-REN-56 and iPFK-2, plays a role in glucose metabolism. It synthesis and degradation of fructose 2,6-bisphosphate. Endogenously generated adenosine cooperates with bacterial components to increase PFKFB3 isozyme activity, resulting in greater fructose 2,6-bisphosphate accumulation. PFKFB3 is required for increased growth, metabolic activity and is regulated through active JAK2 and STAT5. This antibody is specific to PFKFB3.

### Applications

<b>Tested applications:</b>	ELISA, WB, IHC, IF, IP
<b>Cited applications:</b>	IHC, WB
<b>Species specificity:</b>	Human, Mouse, Rat; other species not tested.
<b>Cited species:</b>	Human, mouse
<b>Calculated PFKFB3-Specific MW:</b>	520aa, 60 kDa
<b>Observed PFKFB3-Specific MW:</b>	58 kDa
<b>Positive WB detected in</b>	Mouse thymus tissue, A431 cells, A549, HEK-293 cells, HeLa cells, Jurkat cells, mouse heart tissue, mouse spleen tissue
<b>Positive IP detected in</b>	HEK-293 cells
<b>Positive IHC detected in</b>	Human liver cancer tissue, human kidney tissue, human liver tissue
<b>Positive IF detected in</b>	HepG2 cells
<b>Recommended dilution:</b>	WB: 1:500-1:5000 IP: 1:500-1:5000 IHC: 1:20-1:200 IF: 1:20-1:200

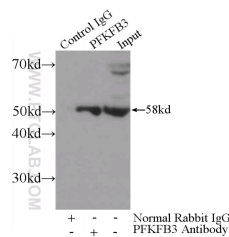
Application key: WB = Western blotting, IHC = Immunohistochemistry, IF = Immunofluorescence, IP = Immunoprecipitation

### Immunogen information

<b>Immunogen:</b>	Ag4744
<b>GenBank accession number:</b>	BC040482
<b>Gene ID (NCBI):</b>	5209
<b>Full name:</b>	6-phosphofructo-2-kinase/fructose-2,6-bisphosphatase 3

### Product information

<b>Purification method:</b>	Antigen affinity purification
<b>Storage:</b>	PBS with 0.02% sodium azide and 50% glycerol pH 7.3. Store at -20°C.



A549 cells were subjected to SDS PAGE followed by western blot with 13763-1-AP(PFKFB3 antibody) at dilution of 1:1000. (Data provided by Angran Biotech ([www.miRNAlab.com](http://www.miRNAlab.com))).

Immunofluorescent analysis of HepG2 cells using 13763-1-AP ( PFKFB3 Antibody) at dilution of 1:50 and Rhodamine-Goat anti-Rabbit IgG

IP Result of anti-PFKFB3 (IP:13763-1-AP, 3ug; Detection:13763-1-AP 1:1000) with HEK-293 cells lysate 4000ug.