

# PFKFB3 Rabbit pAb

Catalog No.: A5262

1 Publications

## Basic Information

### Observed MW

60kDa

### Calculated MW

60kDa

### Category

Primary antibody

### Applications

WB, IHC-P

### Cross-Reactivity

Human

## Background

The protein encoded by this gene belongs to a family of bifunctional proteins that are involved in both the synthesis and degradation of fructose-2,6-bisphosphate, a regulatory molecule that controls glycolysis in eukaryotes. The encoded protein has a 6-phosphofructo-2-kinase activity that catalyzes the synthesis of fructose-2,6-bisphosphate (F2,6BP), and a fructose-2,6-bisphosphatase activity that catalyzes the degradation of F2,6BP. This protein is required for cell cycle progression and prevention of apoptosis. It functions as a regulator of cyclin-dependent kinase 1, linking glucose metabolism to cell proliferation and survival in tumor cells. Several alternatively spliced transcript variants encoding different isoforms have been found for this gene.

## Recommended Dilutions

WB 1:500 - 1:2000

IHC-P 1:50 - 1:100

## Immunogen Information

### Gene ID

5209

### Swiss Prot

Q16875

### Immunogen

A synthetic peptide of human PFKFB3

### Synonyms

PFK2; IPFK2; iPFK-2; PFKFB3

## Contact

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## Product Information

### Source

Rabbit

### Isotype

IgG

### Purification

Affinity purification

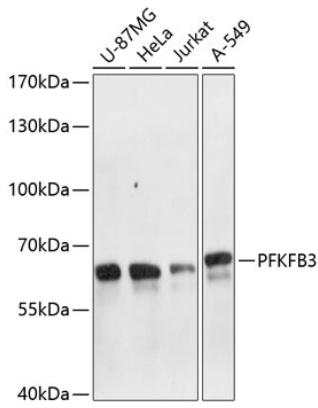
### Storage

Store at 4°C. Avoid freeze / thaw cycles.

Buffer: PBS with 0.02% sodium azide, pH 7.3.

## Validation Data

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Western blot analysis of various lysates using PFKFB3 Rabbit pAb (A5262) at 1:1000 dilution.  
Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.  
Lysates/proteins: 25µg per lane.  
Blocking buffer: 3% nonfat dry milk in TBST.  
Detection: ECL Basic Kit (RM00020).  
Exposure time: 1s.