

PFKFB3 Rabbit Polyclonal Antibody



CAB14764

Product Information

Size:

20uL, 50uL, 100uL, 200uL

Observed MW:

Refer to figures

Calculated MW:

57kDa/58kDa/59kDa/60kDa

Applications:

WB IF

Reactivity:

Human, Mouse

Antibody Information

Recommended dilutions:

WB 1:500 - 1:2000 IF 1:50 - 1:200

Source:

Rabbit

Isotype:

IgG

Purification:

Affinity purification

Protein 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-biphosphatase 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.

Immunogen information

Gene ID:

5209

Uniprot

Q16875

Synonyms:

PFKFB3; IPFK2; PFK2; iPFK-2

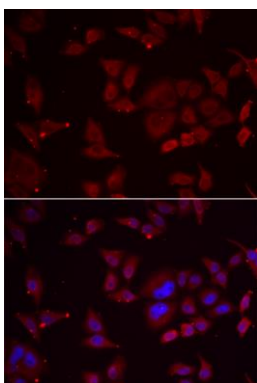
Immunogen:

Recombinant fusion protein containing a sequence corresponding to amino acids 1-210 of human PFKFB3 (NP_004557.1).

Storage:

Store at -20°C. Avoid freeze / thaw cycles. Buffer: PBS with 0.02% sodium azide, 50% glycerol, pH7.3.

Product Images



Immunofluorescence analysis of U2OS cells using PFKFB3 antibody (CAB14764). Blue: DAPI for nuclear staining.