

Datasheet for ABIN7265348
anti-PFKFB3 antibody (AA 1-210)



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Overview

Quantity:	100 µL
Target:	PFKFB3
Binding Specificity:	AA 1-210
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This PFKFB3 antibody is un-conjugated
Application:	Western Blotting (WB), Immunofluorescence (IF)

Product Details

Purpose:	PFKFB3 Rabbit pAb
Immunogen:	Recombinant fusion protein containing a sequence corresponding to amino acids 1-210 of human PFKFB3 (NP_004557.1).
Sequence:	MPLELTQSRV QKIWVPVDHR PSLPRSCGPK LTNSPTVIVM VGLPARGKTY ISKKLTRYLN WIGVPTKVFN VGEYRREAVK QYSSYNFFRP DNEEAMKVRK QCALAALRDV KSYLAKEGGQ IAVF DATNTT RERRHMLHF AKENDFKAFF IESVCDDPTV VASNIMEVKI SSPDYKDCNS AEAMDDFMKR ISCYEASYQP LDPDKCDRDL
Isotype:	IgG
Cross-Reactivity:	Human, Mouse
Characteristics:	Polyclonal Antibodies

Product Details

Purification: Affinity purification

Target Details

Target: PFKFB3

Alternative Name: PFKFB3 ([PFKFB3 Products](#))

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.,PFKFB3,IPFK2,PFK2,iPFK-2,Endocrine & Metabolism,Carbohydrate metabolism,AMPK Signaling Pathway,Warburg Effect,PFKFB3

Molecular Weight: 57kDa/58kDa/59kDa/60kDa

Gene ID: 5209

UniProt: [Q16875](#)

Pathways: [AMPK Signaling](#), [Regulation of Carbohydrate Metabolic Process](#)

Application Details

Application Notes: WB,1:500 - 1:2000,IF,1:50 - 1:200

Restrictions: For Research Use only

Handling

Format: Liquid

Buffer: PBS with 0.02 % sodium azide,50 % glycerol, pH 7.3.

Preservative: Sodium azide

Precaution of Use: This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Storage: -20 °C

Handling

Storage Comment: Store at -20°C. Avoid freeze / thaw cycles.