PFKFB3 Antibody

Catalog No: #43773

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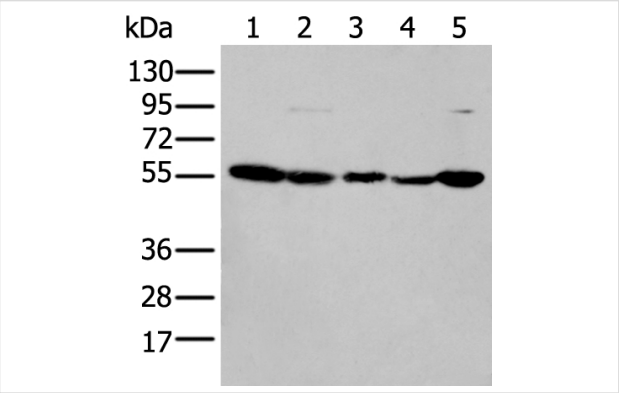
Description

Product Name	PFKFB3 Antibody
Host Species	Rabbit
Clonality	Polyclonal
Purification	Antigen affinity purification
Applications	WB
Species Reactivity	Hu Rt
Specificity	The antibody detects endogenous levels of total PFKFB3 protein.
Immunogen Type	peptide
Immunogen Description	Synthetic peptide of human PFKFB3
Target Name	PFKFB3
Other Names	PFK2; IPFK2; iPFK-2
Accession No.	Swiss-Prot#: Q16875NCBI Gene ID: 5209
Uniprot	Q16875
GeneID	5209;
Calculated MW	60kd
Concentration	0.5mg/ml
Formulation	Rabbit IgG in pH7.4 PBS, 0.05% NaN3, 40% Glycerol.
Storage	Store at -20°C

Application Details

Western blotting: 1:200-1000

Images



Gel: 8%SDS-PAGE
Lysate: 40 µg, Lane 1-5: Jurkat,Hela,A431,A549 and 293T cell lysates,
Primary antibody:PFKFB3 antibody at dilution 1/200 dilution,
Secondary antibody: Goat anti rabbit IgG at 1/8000 dilution,
Exposure time: 20 seconds

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 of this gene have been described, but the full-length nature of some of these variants has not been determined.

Note: This product is for in vitro research use only