

PFKFB2 Antibody

Catalog No: #37382

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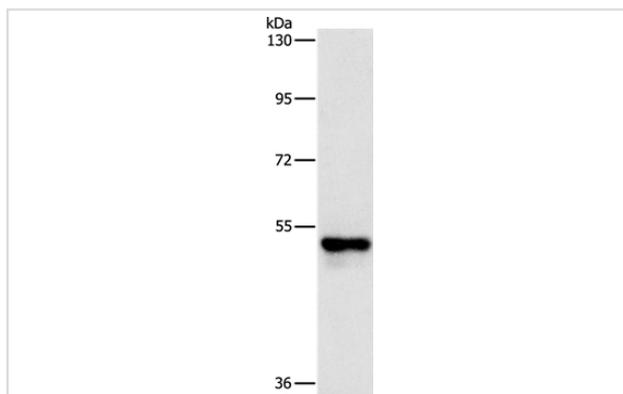
Description

Product Name	PFKFB2 Antibody
Host Species	Rabbit
Clonality	Polyclonal
Purification	Antigen affinity purification.
Applications	WB
Species Reactivity	Hu Ms
Specificity	The antibody detects endogenous levels of total PFKFB2 protein.
Immunogen Type	Peptide
Immunogen Description	Synthetic peptide corresponding to residues near the N terminal of human 6-phosphofructo-2-kinase/fructose-2,6-biphosphatase 2
Target Name	PFKFB2
Other Names	PFK-2/FBPase-2
Accession No.	Swiss-Prot#: O60825NCBI Gene ID: 5208Gene Accssion: NP_001018063
Uniprot	O60825
GeneID	5208;
SDS-PAGE MW	58kd
Concentration	2.3mg/ml
Formulation	Rabbit IgG in pH7.4 PBS, 0.05% NaN ₃ , 40% Glycerol.
Storage	Store at -20°C

Application Details

Western blotting: 1:200-1:1000

Images



Gel: 8%SDS-PAGE
 Lysate: 40ug NIH/3T3 cell
 Primary antibody: 1/287.5 dilution
 Secondary antibody dilution: 1/8000
 Exposure time: 1 minute

Background

The protein encoded by this gene is 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, and a fructose-2,6-biphosphatase activity that catalyzes the degradation of fructose-2,6-bisphosphate. This protein regulates fructose-2,6-bisphosphate levels in the heart, while a related enzyme encoded by a different gene regulates fructose-2,6-bisphosphate levels in the liver and muscle. This enzyme functions as a homodimer. Two transcript variants encoding two different isoforms have been found for this gene.?

Note: This product is for in vitro research use only