Product Name: PFKFB3 Rabbit Monoclonal Antibody
Catalog #: AMRe87114
For research use only.

Summary

Description	Recombinant rabbit monoclonal antibody
Host	Rabbit
Application	WB,IHC,ICC/IF,FC,IP
Reactivity	Human, Mouse, Rat
Conjugation	Unconjugated
Modification	Unmodified
Isotype	IgG
Clonality	Monoclonal
Form	Liquid
Concentration	
Storage	Aliquot and store at -20°C (valid for 12 months). Avoid freeze/thaw cycles.
Shipping	Ice bags
Buffer	Supplied in 50mM Tris-Glycine(pH 7.4), 0.15M NaCl, 40% Glycerol, 0.01% sodium azide and 0.05% protective protein. Stable for 12 months from date of receipt.
Purification	Affinity Purification

Application

Dilution Ratio	WB 1:1000-1:5000,IHC 1:50-1:100,ICC/IF 1:100-1:200,FC 1:20-1:50,IP 1:50-1:100
Molecular Weight	Calculated MW:60 kDa; Observed MW:60 kDa

Antigen Information

Gene Name	PFKFB3
Alternative Names	PFK2; IPFK2; iPFK-2
Gene ID	5209
SwissProt ID	Q16875
Immunogen	Recombinant protein of human PFKFB3

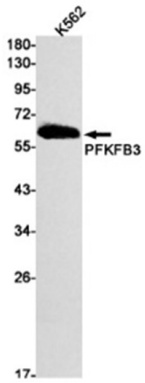
Background

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

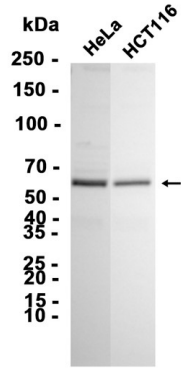
has a 6-phosphofructo-2-kinase activity that catalyzes the synthesis of fructose-2,6-bisphosphate (F2,6BP), and a fructose-2,6-biphosphatase activity that catalyzes the degradation of F2,6BP. This protein is required for cell cycle progression and prevention of apoptosis. It functions as a regulator 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. [provided by RefSeq, Apr 2016]

Research Area

Image Data



Western blot detection of PFKFB3 in K562 cell lysates using PFKFB3 antibody(1:1000 diluted).



Western blot analysis of extracts from HeLa， HCT116 cells using AMRe87114 at 1:2000.