

Datasheet for ABIN708254

anti-PFKFB2 antibody (AA 51-150) (Cy3)[Go to Product page](#)

Overview

Quantity:	100 µL
Target:	PFKFB2
Binding Specificity:	AA 51-150
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This PFKFB2 antibody is conjugated to Cy3
Application:	Western Blotting (WB), Immunofluorescence (Cultured Cells) (IF (cc)), Immunofluorescence (Paraffin-embedded Sections) (IF (p))

Product Details

Immunogen:	KLH conjugated synthetic peptide derived from human PFKFB2
Isotype:	IgG
Cross-Reactivity:	Human, Mouse, Rat
Predicted Reactivity:	Dog,Chicken
Purification:	Purified by Protein A.

Target Details

Target:	PFKFB2
Alternative Name:	PFKFB2 (PFKFB2 Products)

Target Details

Background:	Synonyms: 6 phosphofructo 2 kinase/fructose 2 6 biphosphatase 2, 6-bisphosphatase, 6-P2ase 2, 6-P2ASE heart-type isozyme, 6PF 2 K/Fru 2 6 P2ASE heart type isozyme, 6PF-2-K/Fru-2, F262_HUMAN, Fructose 2 6 bisphosphatase cardiac isozyme, Fructose-2, PFK 2/FBPase 2, PFK/FBPase 2, PFKFB cardiac, PFKFB2. Background: PFKFB2 is involved in both the synthesis and degradation of fructose-2,6-bisphosphate, a regulatory molecule that controls glycolysis in eukaryotes. It has a 6-phosphofructo-2-kinase activity that catalyzes the synthesis of fructose-2,6-bisphosphate, and a fructose-2,6-bisphosphatase activity that catalyzes the degradation of fructose-2,6-bisphosphate. PFKFB2 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. There are two named isoforms.
Gene ID:	5208
Pathways:	PI3K-Akt Signaling , Positive Regulation of Peptide Hormone Secretion , Regulation of Carbohydrate Metabolic Process

Application Details

Application Notes:	IF(IHC-P) 1:50-200 IF(IHC-F) 1:50-200 IF(ICC) 1:50-200
Restrictions:	For Research Use only

Handling

Format:	Liquid
Concentration:	1 µg/µL
Buffer:	Aqueous buffered solution containing 0.01M TBS (pH 7.4) with 1 % BSA, 0.03 % Proclin300 and 50 % Glycerol.
Preservative:	ProClin
Precaution of Use:	This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE, which should be handled by trained staff only.
Storage:	-20 °C
Storage Comment:	Store at -20°C. Aliquot into multiple vials to avoid repeated freeze-thaw cycles.

Handling

Expiry Date: 12 months