Datasheet for ABIN708260

anti-PFKFB2 antibody (AA 51-150) (HRP)

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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 HRP
Application:	Western Blotting (WB), ELISA, Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), Immunohistochemistry (Frozen Sections) (IHC (fro))

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-biphosphatase 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:	WB 1:300-5000 IHC-P 1:200-400 IHC-F 1:100-500
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.
Handling Advice:	Do NOT add Sodium Azide! Use of Sodium Azide will inhibit enzyme activity of horseradish peroxidase.
Storage:	-20 °C

Handling

Storage Comment:	Store at -20°C. Aliquot into multiple vials to avoid repeated freeze-thaw cycles.
Expiry Date:	12 months