Datasheet for ABIN360632

anti-PFKM antibody (N-Term)

2 Images

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Overview

Quantity:	0.4 mL
Target:	PFKM
Binding Specificity:	N-Term
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This PFKM antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), Enzyme Immunoassay (EIA)

Product Details

Immunogen:	This antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide selected from the N-terminal region of human PFKM.
Isotype:	Ig Fraction
Specificity:	This antibody reacts to PFKM.
Purification:	Protein G column, eluted with high and low pH buffers and neutralized immediately, followed by dialysis against PBS

Target Details

Target:	PFKM
Alternative Name:	PFKM (PFKM Products)

Target Details

Background:	Phosphofructokinase catalyzes the irreversible conversion of fructose 6 phosphate to fructose 1,6 bisphosphate. Mammalian PFK is a complex isozyme consisting of 3 subunits: muscle (M), liver (L), and platelet (P). Only M type PFK isozyme is expressed in mature muscle, while erythrocytes contain both L and M subunits. Defects in PFKM are the cause of glycogen storage disease type 7 (GSD7), also known as Tarui disease.Synonyms: 6-phosphofructokinase muscle type, GSD7, PFK-1, PFK-A, PFK1, PFKX, Phosphofructo-1-kinase isozyme A, Phosphofructokinase 1, Phosphofructokinase-M, Phosphohexokinase
Gene ID:	5213, 9606
UniProt:	P08237
Pathways:	Positive Regulation of Peptide Hormone Secretion, Negative Regulation of Hormone Secretion, Carbohydrate Homeostasis, Warburg Effect

Application Details

Application Notes:	ELISA: 1/1,000. Western blotting: 1/100 - 1/500. Immunohistochemistry: 1/50 - 1/100. Other applications not tested. Optimal dilutions are dependent on conditions and should be determined by the user.
Restrictions:	For Research Use only

Handling

Format:	Liquid
Concentration:	0.25 mg/mL
Buffer:	PBS with 0.09 % (W/V) sodium azide
Preservative:	Sodium azide
Precaution of Use:	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Handling Advice:	Avoid repeated freezing and thawing.
Storage:	4 °C/-20 °C
Storage Comment:	Store the antibody undiluted at 2-8 °C for one month or (in aliquots) at-20 °C for longer.

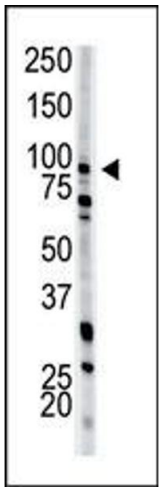

Image 1.

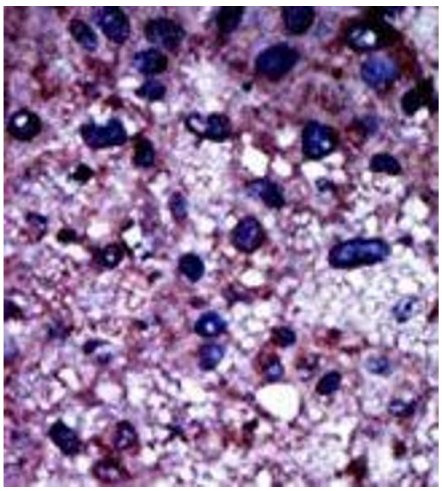

Image 2.

