Datasheet for ABIN6944521

anti-PFKFB3 antibody (AA 421-520) (Biotin)

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Overview

Quantity:	100 µL
Target:	PFKFB3
Binding Specificity:	AA 421-520
Reactivity:	Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This PFKFB3 antibody is conjugated to Biotin
Application:	ELISA, Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), Immunohistochemistry (Frozen Sections) (IHC (fro))

Product Details

Immunogen:	KLH conjugated synthetic peptide derived from human PFKFB3
Isotype:	IgG
Cross-Reactivity:	Mouse, Rat
Predicted Reactivity:	Human,Dog,Cow,Sheep,Pig,Horse,Rabbit
Purification:	Purified by Protein A.

Target Details

Target:	PFKFB3
Alternative Name:	PFKFB3/PFK2 (PFKFB3 Products)

Target Details

Background:	Synonyms: 6 phosphofructo 2 kinase/ fructose 2,6 bisphosphatase, 6 phosphofructo 2 kinase/fructose 2,6 biphosphatase 3, 6-bisphosphatase, 6-P2ase 3, 6-P2ASE brain/placenta-type isozyme, 6PF 2 K/Fru 2,6 P2ASE brain/placenta type isozyme, 6PF 2-K/Fru 2,6 P2ase 3, 6PF-2-K/Fru-2, F263_HUMAN, fructose 6 phosphate,2 kinase/fructose 2, 6 bisphosphatase, Fructose-2, Inducible 6 phosphofructo 2 kinase/fructose 2,6 bisphosphatase, iPFK 2, iPFK-2, IPFK2, PFK/FBPase 3, PFK2, PFKFB3, Renal carcinoma antigen NY REN 56, Renal carcinoma antigen NY-REN-56, uPFK 2. 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]
Gene ID:	5209
UniProt:	Q16875
Pathways:	AMPK Signaling, Regulation of Carbohydrate Metabolic Process

Application Details

Application Notes:	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

Handling

	handled by trained staff only.
Storage:	-20 °C
Storage Comment:	Store at -20°C for 12 months.
Expiry Date:	12 months