10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

PFKFB4 Rabbit pAb

Catalog # AP99347

Product Information

Application	IHC-P, IHC-F, IF, E
Primary Accession	Q16877
Other Accession	Q16877
Predicted	Rat, Pig, Human, Mouse, Rabbit, Horse, Sheep
Host	Rabbit
Clonality	Polyclonal
Calculated MW	54040
Physical State	Liquid
Immunogen	KLH conjugated synthetic peptide derived from human PFKFB4
Epitope Specificity	2-100/469
Isotype	IgG
Purity	affinity purified by Protein A
Buffer	0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.
SIMILARITY	In the C-terminal section; belongs to the phosphoglycerate mutase family.
SUBUNIT	Homodimer.
Important Note	This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.
Background Descriptions	This gene encodes a member of the family of bifunctional 6-phosphofructo-2-kinase:fructose-2,6-biphosphatase enzymes. The enzyme forms a homodimer that catalyzes both the synthesis and degradation of fructose-2,6-biphosphate using independent catalytic domains. Fructose-2,6-biphosphate is an activator of the glycolysis pathway and an inhibitor of the gluconeogenesis pathway. Consequently, regulating fructose-2,6-biphosphate levels through the activity of this enzyme is thought to regulate glucose homeostasis. Multiple alternatively spliced transcript variants have been found for this gene. [provided by RefSeq, Nov 2012]

Additional Information

Gene ID	5210
Other Names	C230090D14; F264_HUMAN; PFKFB4; 6PF-2-K/Fru-2, 6-P2ase 4; PFK/FBPase 4; 6PF-2-K/Fru-2, 6-P2ase testis-type isozyme; F264_MOUSE; F262_RAT; Pfkfb2; 6PF-2-K/Fru-2, 6-P2ase 2; PFK/FBPase 2; 6PF-2-K/Fru-2, 6-P2ase heart-type isozyme; RH2K; 6-phosphofructo-2-kinase/fructose-2, 6-biphosphatase 4
Dilution	IHC-P=1:100-500,IHC-F=1:100-500,ICC/IF=1:100-500,IF=1:100-500,ELISA=1:5000-10000
Storage	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.

Protein Information

Name	PFKFB4 (HGNC:8875)
Function	Synthesis and degradation of fructose 2,6-bisphosphate.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.