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Ketohexokinase Rabbit pAb

Catalog # AP98042

Product Information

Application	WB, IHC-P, IHC-F, IF, E
Primary Accession	P50053
Other Accession	P50053
Predicted	Rat, Pig, Human, Mouse, Rabbit, Horse
Host	Rabbit
Clonality	Polyclonal
Calculated MW	32523
Physical State	Liquid
Immunogen	KLH conjugated synthetic peptide derived from human Ketohexokinase
Epitope Specificity	151-250/298
Isotype	IgG
Purity	affinity purified by Protein A
Buffer	0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.
SIMILARITY	Belongs to the carbohydrate kinase PfkB family.
SUBUNIT	Homodimer.
DISEASE	Defects in KHK are the cause of fructosuria (FRUCT) [MIM:229800]. Benign defect of intermediary metabolism.
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 ketohexokinase that catalyzes conversion of fructose to fructose-1-phosphate. The product of this gene is the first enzyme with a specialized pathway that catabolizes dietary fructose. Alternatively spliced transcript variants encoding different isoforms have been identified. [provided by RefSeq, Jul 2008]

Additional Information

Gene ID	3795
Other Names	FRUCTU; KHK_HUMAN; KHK; Hepatic fructokinase; 2.7.1.3; Q6IBK2_HUMAN; KHK_MOUSE; ketohexokinase; ketohexokinase (fructokinase); fructokinase
Dilution	WB=1:500-2000,IHC-P=1:100-500,IHC-F=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	KHK (HGNC:6315)
Function	Catalyzes the phosphorylation of the ketose sugar fructose to fructose-1-phosphate.
Tissue Location	Most abundant in liver, kidney, gut, spleen and pancreas. Low levels also found in adrenal, muscle, brain and eye

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