

Product datasheet for **CF501284**

ketohexokinase (KHK) Mouse Monoclonal Antibody [Clone ID: OTI4E9]

Product data:

Product Type:	Primary Antibodies
Clone Name:	OTI4E9
Applications:	FC, IF, IHC, WB
Recommended Dilution:	WB 1:2000, IHC 1:50, IF 1:100, FLOW 1:100
Reactivity:	Human
Host:	Mouse
Isotype:	IgG1
Clonality:	Monoclonal
Immunogen:	Full length human recombinant protein of human KHK (NP_000212) produced in HEK293T cell.
Formulation:	Lyophilized powder (original buffer 1X PBS, pH 7.3, 8% trehalose)
Reconstitution Method:	For reconstitution, we recommend adding 100uL distilled water to a final antibody concentration of about 1 mg/mL. To use this carrier-free antibody for conjugation experiment, we strongly recommend performing another round of desalting process. (OriGene recommends Zeba Spin Desalting Columns, 7KMWCO from Thermo Scientific)
Purification:	Purified from mouse ascites fluids or tissue culture supernatant by affinity chromatography (protein A/G)
Conjugation:	Unconjugated
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Predicted Protein Size:	32.5 kDa
Gene Name:	ketohexokinase
Database Link:	NP_000212 Entrez Gene 3795 Human P50053



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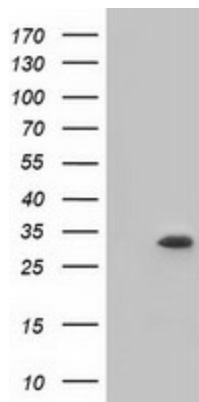
Background: This gene encodes ketoheokinase that catalyzes conversion of fructose to fructose-1-phosphate. The product of this gene is the first enzyme with a specialized pathway that catabolizes dietary fructose. Alternatively spliced transcript variants encoding different isoforms have been identified. [provided by RefSeq]

Synonyms: ketoheokinase; ketoheokinase (fructokinase)

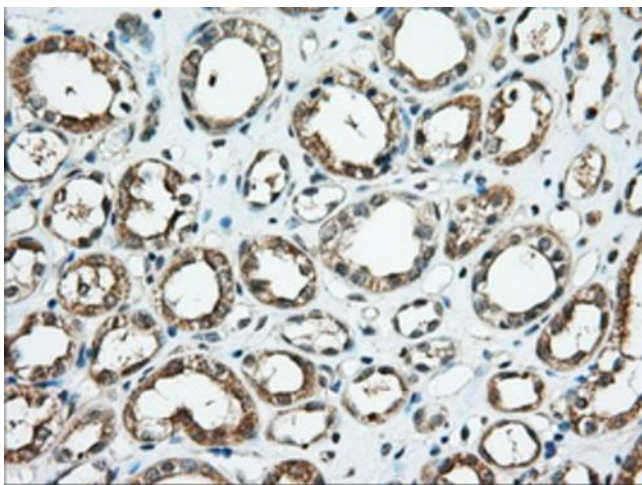
Protein Families: Druggable Genome

Protein Pathways: Fructose and mannose metabolism, Metabolic pathways

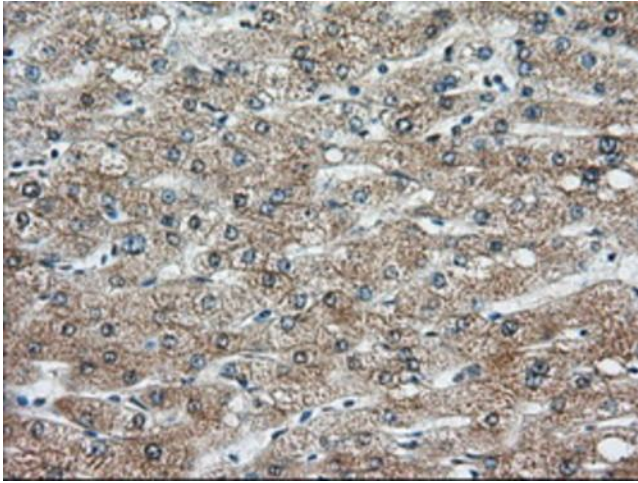
Product images:



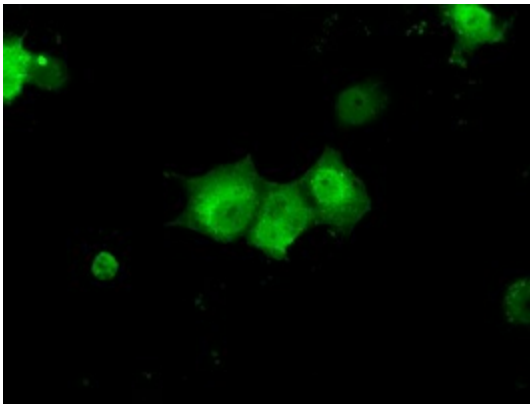
HEK293T cells were transfected with the pCMV6-ENTRY control (Left lane) or pCMV6-ENTRY KHK ([RC202424], Right lane) cDNA for 48 hrs and lysed. Equivalent amounts of cell lysates (5 ug per lane) were separated by SDS-PAGE and immunoblotted with anti-KHK. Positive lysates [LY400082] (100ug) and [LC400082] (20ug) can be purchased separately from OriGene.



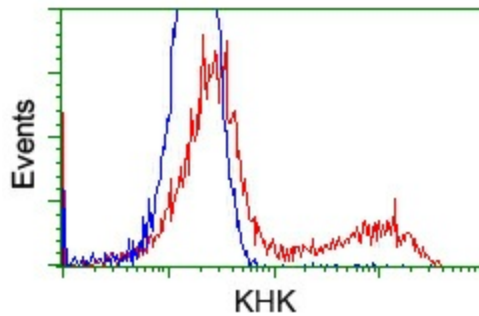
Immunohistochemical staining of paraffin-embedded Human Kidney tissue within the normal limits using anti-KHK mouse monoclonal antibody. (Heat-induced epitope retrieval by 10mM citric buffer, pH6.0, 100°C for 10min, [TA501284], Dilution 1:50)



Immunohistochemical staining of paraffin-embedded Human liver tissue within the normal limits using anti-KHK mouse monoclonal antibody. (Heat-induced epitope retrieval by 10mM citric buffer, pH6.0, 100°C for 10min, [TA501284], Dilution 1:50)



Anti-KHK mouse monoclonal antibody ([TA501284]) immunofluorescent staining of COS7 cells transiently transfected by pCMV6-ENTRY KHK ([RC202424]).



HEK293T cells transfected with either [RC202424] overexpress plasmid (Red) or empty vector control plasmid (Blue) were immunostained by anti-KHK antibody ([TA501284]), and then analyzed by flow cytometry.