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Datasheet for ABIN391088

anti-Ketohexokinase antibody (N-Term)

2 Images

Overview

Quantity:	400 µL
Target:	Ketohexokinase (KHK)
Binding Specificity:	AA 18-46, N-Term
Reactivity:	Human, Mouse
Host:	Rabbit
Clonality:	Polyclonal
Application:	Western Blotting (WB)

Product Details

Immunogen:	This Ketohexokinase (KHK) antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 18-46 amino acids from the N-terminal region of human Ketohexokinase (KHK).
Clone:	RB05409
Isotype:	Ig Fraction
Predicted Reactivity:	Rat
Purification:	This antibody is prepared by Saturated Ammonium Sulfate (SAS) precipitation followed by dialysis against PBS.

Target Details

Target:	Ketohexokinase (KHK)
Abstract:	KHK Products

Target Details

Background: Ketohexokinase (KHK), or fructokinase, catalyzes conversion of fructose to fructose-1-phosphate. Splice variant 1 is the highly active form found in liver, renal cortex, and small intestine, while splice variant 2 is the lower activity form found in most other tissues. KHK, like glucokinase (GCK) and glucokinase regulator (GCKR), is present in both liver and pancreatic islets. The inhibition of GCK by GCKR is blocked by binding of fructose-1-phosphate to GCKR. The chromosomal proximity of the metabolically connected GCKR and KHK genes has a genetic linkage in type 2 diabetes. Fructosuria, or hepatic fructokinase deficiency, is a benign, asymptomatic defect of intermediary metabolism associated with heterozygosity for G50R and A43T mutations in KHK.

Molecular Weight: 32523

Gene ID: 3795

NCBI Accession: [NP_000212](#), [NP_006479](#)

UniProt: [P50053](#)

Application Details

Application Notes: WB: 1:1000. WB: 1:1000

Restrictions: For Research Use only

Handling

Format: Liquid

Buffer: Purified polyclonal antibody supplied in PBS with 0.09 % (W/V) sodium azide.

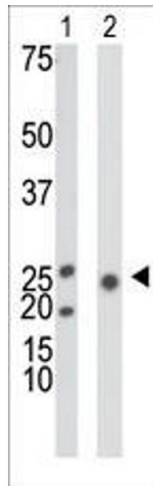
Preservative: Sodium azide

Precaution of Use: This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Storage: 4 °C, -20 °C

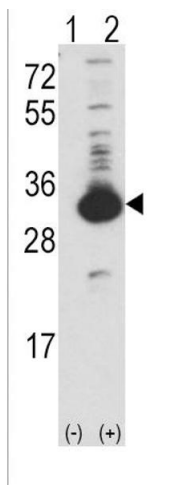
Storage Comment: Maintain refrigerated at 2-8 °C for up to 6 months. For long term storage store at -20 °C in small aliquots to prevent freeze-thaw cycles.

Expiry Date: 6 months



Western Blotting

Image 1. The anti-KHK Pab (ABIN391088 and ABIN2841229) is used in Western blot to detect KHK in mouse liver tissue lysate (Lane 1) and 293 cell lysate (Lane 2).



Western Blotting

Image 2. Western blot analysis of KHK (arrow) using rabbit polyclonal Ketoheokinase (KHK) Antibody (N-term) (ABIN391088 and ABIN2841229). 293 cell lysates (2 μ g/lane) either nontransfected (Lane 1) or transiently transfected with the KHK gene (Lane 2) (Origene Technologies).