



Datasheet for ABIN392754 anti-HK3 antibody (N-Term)



[Go to Product page](#)

1 Image

1 Publication

Overview

Quantity:	400 µL
Target:	HK3
Binding Specificity:	AA 1-30, N-Term
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This HK3 antibody is un-conjugated
Application:	Western Blotting (WB)

Product Details

Immunogen:	This HK3 (Hexokinase III) antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 1-30 amino acids from the N-terminal region of human HK3 (Hexokinase III).
Clone:	RB5335
Isotype:	Ig Fraction
Purification:	This antibody is prepared by Saturated Ammonium Sulfate (SAS) precipitation followed by dialysis against PBS.

Target Details

Target:	HK3
Alternative Name:	HK3 (Hexokinase III) (HK3 Products)

Target Details

Background:	Hexokinases phosphorylate glucose to produce glucose-6-phosphate, thus committing glucose to the glycolytic pathway. This gene encodes hexokinase 3. Similar to hexokinases 1 and 2, this allosteric enzyme is inhibited by its product glucose-6-phosphate.
Molecular Weight:	99025
Gene ID:	3101
NCBI Accession:	NP_002106
UniProt:	P52790
Pathways:	Carbohydrate Homeostasis , Warburg Effect

Application Details

Application Notes:	WB: 1:1000
Restrictions:	For Research Use only

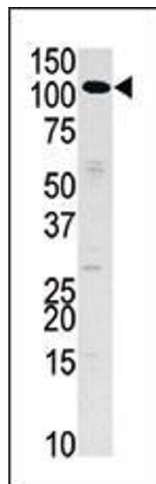
Handling

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

Publications

Product cited in:	Pan, Hsuchou, Cornelissen-Guillaume, Jayaram, Wang, Tu, Halberg, Wu, Chua, Kastin: " Endothelial leptin receptor mutation provides partial resistance to diet-induced obesity." in: Journal of applied physiology (Bethesda, Md. : 1985) , Vol. 112, Issue 8, pp. 1410-8, (2012) (PubMed).
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Wang, Yang, Du, Guan, Xu, Xu, Su, Miao: "Involvement of Leptin Receptor (LepRb)-STAT3 Signaling Pathway in Brain FTO Downregulation during Energy Restriction." in: **Molecular medicine (Cambridge, Mass.)**, (2011) ([PubMed](#)).



Western Blotting

Image 1. Western blot analysis of anti-HK3 Pab (ABIN392754 and ABIN2842206) in Hela cell line lysate (35 μ g/lane). HK3(arrow) was detected using the purified Pab.