


Anti-Hexokinase Type III/HK3 antibody ab91097

[1 References](#) [2 Images](#)

Overview

Product name	Anti-Hexokinase Type III/HK3 antibody
Description	Rabbit polyclonal to Hexokinase Type III/HK3
Host species	Rabbit
Tested applications	Suitable for: ICC/IF, WB
Species reactivity	Reacts with: Human Predicted to work with: Cow, Macaque monkey 
Immunogen	Synthetic peptide. This information is proprietary to Abcam and/or its suppliers.
Positive control	Recombinant Human Hexokinase Type III/HK3 protein (ab85921) can be used as a positive control in WB. This antibody gave a positive signal in both Human liver and spleen tissue lysates.
General notes	<p>The Life Science industry has been in the grips of a reproducibility crisis for a number of years. Abcam is leading the way in addressing this with our range of recombinant monoclonal antibodies and knockout edited cell lines for gold-standard validation. Please check that this product meets your needs before purchasing.</p> <p>If you have any questions, special requirements or concerns, please send us an inquiry and/or contact our Support team ahead of purchase. Recommended alternatives for this product can be found below, along with publications, customer reviews and Q&As</p>

Properties

Form	Liquid
Storage instructions	Shipped at 4°C. Store at +4°C short term (1-2 weeks). Upon delivery aliquot. Store at -20°C or -80°C. Avoid freeze / thaw cycle.
Storage buffer	pH: 7.40 Preservative: 0.02% Sodium azide Constituent: PBS Batches of this product that have a concentration < 1mg/ml may have BSA added as a stabilising agent. If you would like information about the formulation of a specific lot, please contact our scientific support team who will be happy to help.
Purity	Immunogen affinity purified
Clonality	Polyclonal

Applications

The Abpromise guarantee

Our **Abpromise guarantee** covers the use of ab91097 in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
ICC/IF		Use a concentration of 10 µg/ml.
WB		Use a concentration of 1 µg/ml. Detects a band of approximately 99 kDa (predicted molecular weight: 99 kDa).

Target

Pathway

Carbohydrate metabolism; hexose metabolism.

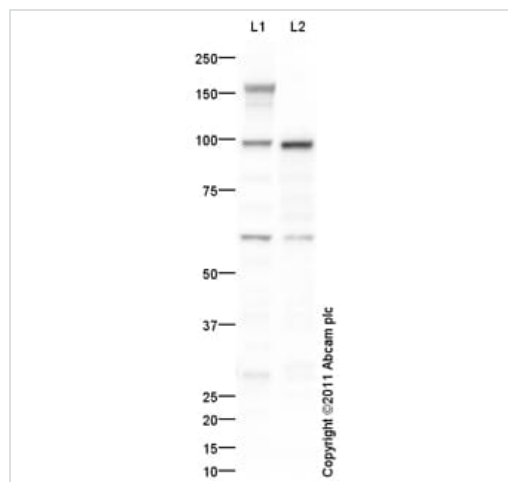
Sequence similarities

Belongs to the hexokinase family.

Domain

The N- and C-terminal halves of this hexokinase show extensive sequence similarity to each other. The catalytic activity is associated with the C-terminus while regulatory function is associated with the N-terminus.

Images



Western blot - Anti-Hexokinase Type III/HK3 antibody (ab91097)

All lanes : Anti-Hexokinase Type III/HK3 antibody (ab91097) at 1 µg/ml

Lane 1 : Human liver tissue lysate - total protein ([ab29889](#))

Lane 2 : Human spleen tissue lysate - total protein ([ab29699](#))

Lysates/proteins at 10 µg per lane.

Secondary

All lanes : Goat Anti-Rabbit IgG H&L (HRP) preadsorbed ([ab97080](#)) at 1/5000 dilution

Developed using the ECL technique.

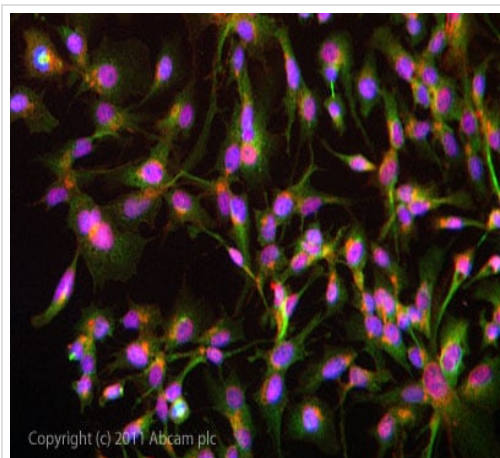
Performed under reducing conditions.

Predicted band size: 99 kDa

Observed band size: 99 kDa

Additional bands at: 175 kDa, 60 kDa. We are unsure as to the identity of these extra bands.

Exposure time: 30 seconds



Immunocytochemistry/ Immunofluorescence - Anti-Hexokinase Type III/HK3 antibody (ab91097)

ICC/IF image of ab91097 stained HeLa cells. The cells were 4% formaldehyde fixed (10 min) and then incubated in 1%BSA / 10% normal goat serum / 0.3M glycine in 0.1% PBS-Tween for 1h to permeabilise the cells and block non-specific protein-protein interactions. The cells were then incubated with the antibody ab91097 at 10µg/ml overnight at +4°C. The secondary antibody (green) was DyLight® 488 goat anti- rabbit (**ab96899**) IgG (H+L) used at a 1/250 dilution for 1h. Alexa Fluor® 594 WGA was used to label plasma membranes (red) at a 1/200 dilution for 1h. DAPI was used to stain the cell nuclei (blue) at a concentration of 1.43µM.

Please note: All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

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