

Product datasheet

Anti-Hexokinase 1 antibody ab65069

★★★★★ 5 Abreviews 1 References 4 图像

概述

产品名称	Anti-Hexokinase 1 抗体
描述	兔多克隆抗体 to Hexokinase 1
经测试应用	适用于: ELISA, WB, ICC/IF, IHC-Fr
种属反应性	与反应: Mouse, Rat, Human
免疫原	Synthetic peptide derived from an internal sequence of human Hexokinase 1. [Swiss-Prot P19367]
阳性对照	Extracts from HeLa cells

性能

形式	Liquid
存放说明	Shipped at 4°C. Store at -20°C. Stable for 12 months at -20°C.
存储溶液	Preservative: 0.02% Sodium Azide Constituents: 50% Glycerol, PBS (without Mg ²⁺ and Ca ²⁺), 150mM Sodium chloride, pH 7.4
纯度	Immunogen affinity purified
克隆	多克隆
同种型	IgG

应用

Our [Abpromise guarantee](#) covers the use of **ab65069** in the following tested applications.

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

应用	Ab评论	说明
ELISA		1/20000.
WB	★★★★★	1/500 - 1/1000. Detects a band of approximately 102 kDa (predicted molecular weight: 102 kDa).
ICC/IF	★★★★★	1/250. (see Abreview)
IHC-Fr	★★★★★	1/200 - 1/250. (see Abreviews)

靶标

组织特异性

Isoform 2 is erythrocyte specific. Isoform 3 and isoform 4 are testis-specific.

通路

Carbohydrate metabolism; hexose metabolism.

疾病相关

Hexokinase deficiency

Neuropathy, hereditary motor and sensory, Russe type

序列相似性

Belongs to the hexokinase family.

Contains 2 hexokinase domains.

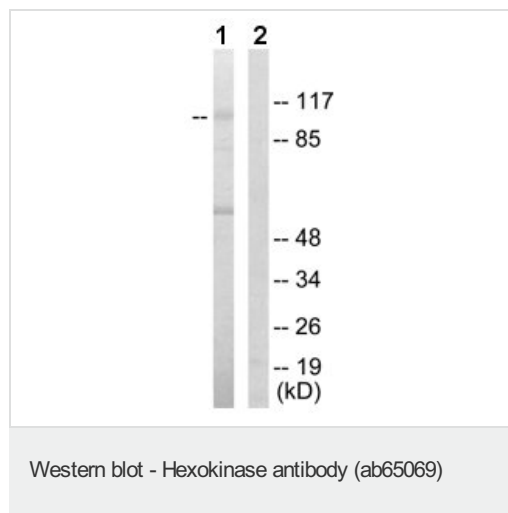
结构域

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. Each domain can bind a single glucose and Gluc-6-P molecule.

细胞定位

Mitochondrion outer membrane. Its hydrophobic N-terminal sequence may be involved in membrane binding.

图片



All lanes : Anti-Hexokinase 1 antibody
(ab65069) at 1/500 dilution

Lane 1 : extracts from HeLa cells

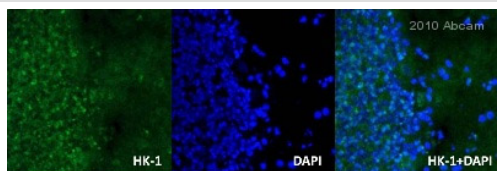
Lane 2 : extracts from HeLa cells with
immunizing peptide at 5 µg

Lysates/proteins at 5 µg per lane.

Predicted band size : 102 kDa

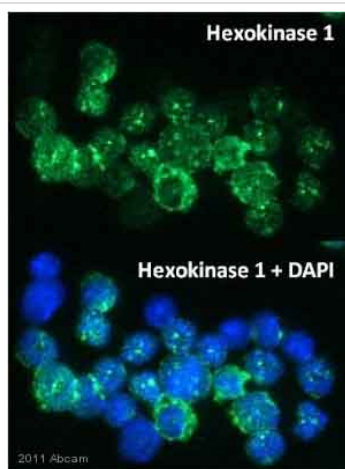
Observed band size : 102 kDa

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



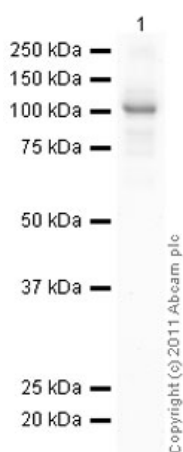
Immunohistochemistry (Frozen sections) -
Hexokinase 1 antibody (ab65069)
This image is courtesy of an anonymous Abreview

ab65069 staining Hexokinase 1 (green) in Rat brain tissue sections by Immunohistochemistry (IHC-Fr - frozen sections). Tissue was fixed with formaldehyde, permeabilized with 0.1% Triton X-100 and blocked with 5% BSA for 2 hours at 25°C. Samples were incubated with primary antibody (1/250 in PBS-T) for 2 hours at 25°C. An Alexa Fluor®488-conjugated Goat anti-rabbit IgG polyclonal (1/500) was used as the secondary antibody. Nuclei were stained by DAPI (blue).



Immunocytochemistry/ Immunofluorescence -
Hexokinase 1 antibody (ab65069)
Image courtesy of an anonymous Abreview.

ab65069 staining Hexokinase 1 in murine bone marrow leukocytes by Immunocytochemistry/ Immunofluorescence. The cells were fixed in methanol and then blocked using 5% serum for 2 hours at 25°C. Samples were then incubated with the primary antibody at 1/250 for 16 hours at 4°C. The secondary antibody used was a goat anti-rabbit IgG conjugated to Alexa Fluor® 488 (green) used at a 1/500 dilution. DAPI was used for staining nuclei.



Western blot - Anti-Hexokinase 1 antibody
(ab65069)

Anti-Hexokinase 1 antibody (ab65069) at
1/500 dilution + Recombinant human
Hexokinase 1 protein (ab85918) at 0.1 µg

Secondary

Goat polyclonal to Rabbit IgG - H&L - Pre-Adsorbed (HRP) (ab65484) at 1/5000 dilution
Developed using the ECL technique

Performed under reducing conditions.

Exposure time : 4 minutes

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