


Anti-DNAJC3 antibody ab70840

2 References **3 图像**

概述

产品名称	Anti-DNAJC3抗体
描述	兔多克隆抗体to DNAJC3
宿主	Rabbit
经测试应用	适用于: IHC-P, ICC/IF, WB
种属反应性	与反应: Human 预测可用于: Mouse, Rat, Chicken 
免疫原	Synthetic peptide conjugated to KLH derived from within residues 100 - 200 of Human DNAJC3. 参阅Abcam的专有抗源政策(Peptide available as ab72883 .)
阳性对照	This antibody gave a positive signal in the following human whole cell lysates: TE 671, Ramos, SK N BE, Hela - Staurosporine Treated (24hr, 500nM), Hela - Hydroxyurea Treated (48hr, 2uM), Jurkat - Staurosporine Treated (24hr, 500nM) and Y79.
常规说明	<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>

性能

形式	Liquid
存放说明	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.
存储溶液	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.

纯度	Immunogen affinity purified
克隆	多克隆
同种型	IgG

应用

The Abpromise guarantee **Abpromise™**承诺保证使用ab70840于以下的经测试应用

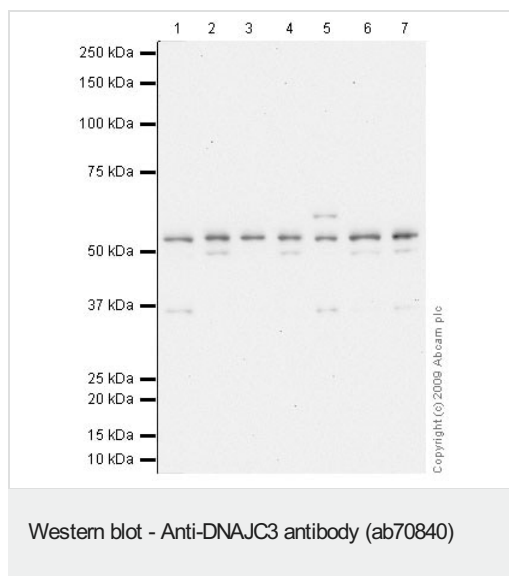
“应用说明”部分 下显示的仅为推荐的起始稀释度;实际最佳的稀释度/浓度应由使用者检定。

应用	Ab评论	说明
IHC-P		Use a concentration of 5 µg/ml. Perform heat mediated antigen retrieval before commencing with IHC staining protocol.
ICC/IF		Use a concentration of 1 µg/ml.
WB		Use a concentration of 1 µg/ml. Detects a band of approximately 54 kDa (predicted molecular weight: 58 kDa).

靶标

功能	Involved in the unfolded protein response (UPR) during ER stress. Co-chaperone of HSPA8/HSC70, it stimulates its ATPase activity. May inhibit both the autophosphorylation of EIF2AK2/PKR and the ability of EIF2AK2 to catalyze phosphorylation of the EIF2A. May inhibit EIF2AK3/PERK activity.
组织特异性	Widely expressed with high level in the pancreas and testis. Also expressed in cell lines with different levels.
序列相似性	Contains 1 J domain. Contains 9 TPR repeats.
结构域	The J domain mediates interaction with HSPA8.
细胞定位	Endoplasmic reticulum.

图片



All lanes : Anti-DNAJC3 antibody (ab70840) at 1/250 dilution

Lane 1 : TE 671 (Human Rhabdomyosarcoma) Whole Cell Lysate

Lane 2 : Hela Whole Cell Lysate - Staurosporine Treated (24hr, 500nM)

Lane 3 : Ramos (Human Burkitt's lymphoma cell line) Whole Cell Lysate

Lane 4 : Hela Whole Cell Lysate - Hydroxyurea Treated (48hr, 2uM)

Lane 5 : SK N BE (Human neuroblastoma) Whole Cell Lysate

Lane 6 : Jurkat Whole Cell Lysate - Staurosporine Treated (24hr, 500nM)

Lane 7 : Y79 (Human retinoblastoma cell line) Whole Cell Lysate

Lysates/proteins at 10 µg per lane.

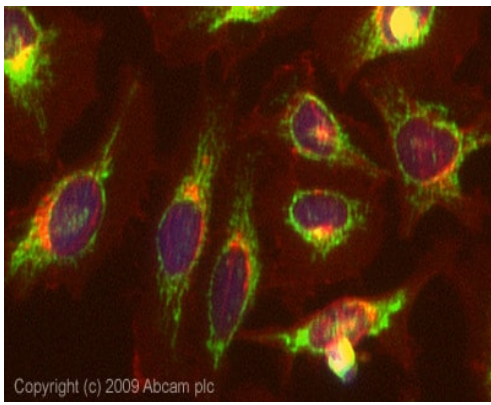
Secondary

All lanes : Goat polyclonal to Rabbit IgG - H&L - Pre-Adsorbed (HRP) at 1/3000 dilution

Performed under reducing conditions.

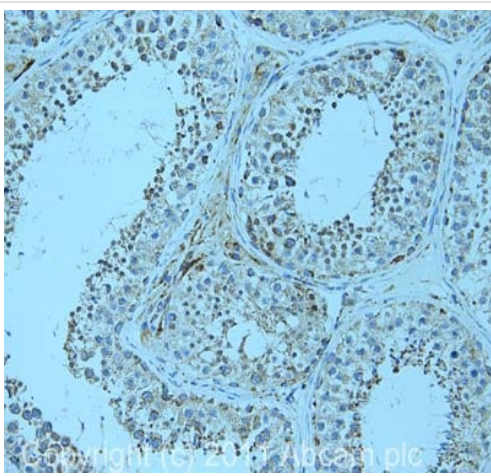
Predicted band size: 58 kDa

Observed band size: 54 kDa



Immunocytochemistry/ Immunofluorescence - Anti-DNAJC3 antibody (ab70840)

ICC/IF image of ab70840 stained HeLa cells. The cells were 100% Methanol fixed (5 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 (ab70840, 1µg/ml) overnight at +4°C. The secondary antibody (green) was Alexa Fluor® 488 Goat anti-Rabbit IgG (H+L) used at a 1/1000 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. This antibody also gave a positive result in 100% Methanol fixed (5 min) Hek293, HepG2, MCF-7 cells at 1µg/ml.



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-DNAJC3 antibody (ab70840)

IHC image of ab70840 staining in human testis formalin fixed paraffin embedded tissue section, performed on a Leica Bond™ system using the standard protocol F. The section was pre-treated using heat mediated antigen retrieval with sodium citrate buffer (pH6, epitope retrieval solution 1) for 20 mins. The section was then incubated with ab70840, 5µg/ml, for 15 mins at room temperature and detected using an HRP conjugated compact polymer system. DAB was used as the chromogen. The section was then counterstained with haematoxylin and mounted with DPX.

For other IHC staining systems (automated and non-automated) customers should optimize variable parameters such as antigen retrieval conditions, primary antibody concentration and antibody incubation times.

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