

Anti-NRF1 antibody ab34682

★★★★★ [3 Abreviews](#) [41 References](#) [4 图像](#)

概述

产品名称	Anti-NRF1抗体
描述	兔多克隆抗体to NRF1
宿主	Rabbit
特异性	ab34682 recognises NRF1 (also known as nuclear respiratory factor 1, alpha palindromic binding protein and alpha-pal).
经测试应用	适用于: WB, IHC-P, ICC/IF
种属反应性	与反应: Human 预测可用于: Rat, Chicken, Dog, Chimpanzee, Zebrafish 
免疫原	Recombinant full length protein, corresponding to amino acids 1-534 of Mouse NRF1
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	Preservative: 0.01% Sodium azide Constituents: 0.42% Potassium phosphate, 0.87% Sodium chloride
纯度	Protein A purified
克隆	多克隆
同种型	IgG

应用

The Abpromise guarantee

Abpromise™承诺保证使用ab34682于以下的经测试应用

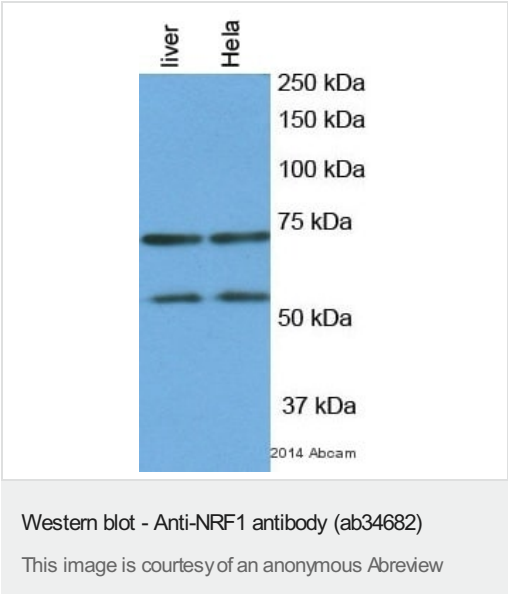
“应用说明”部分 下显示的仅为推荐的起始稀释度;实际最佳的稀释度/浓度应由使用者检定。

应用	Ab评论	说明
WB	★★★★☆ (3)	1/500 - 1/2000. Detects a band of approximately 67 kDa (predicted molecular weight: 57 kDa). Splice variants exist for this protein that may result in the detection of lower molecular weight bands.
IHC-P		Use a concentration of 2 - 5 µg/ml.
ICC/IF		Use a concentration of 1 µg/ml.

靶标

功能	Transcription factor that activates the expression of the EIF2S1 (EIF2-alpha) gene. Links the transcriptional modulation of key metabolic genes to cellular growth and development. Implicated in the control of nuclear genes required for respiration, heme biosynthesis, and mitochondrial DNA transcription and replication.
组织特异性	Ubiquitously expressed with strongest expression in skeletal muscle.
序列相似性	Belongs to the NRF1/Ewg family.
翻译后修饰	Phosphorylation enhances DNA binding.
细胞定位	Nucleus.

图片



All lanes : Anti-NRF1 antibody (ab34682) at 1/1000 dilution

Lane 1 : Mouse liver whole tissue lysate

Lane 2 : HeLa whole cell lysate

Lysates/proteins at 25 µg per lane.

Secondary

All lanes : HRP-conjugated goat anti-rabbit IgG polyclonal at 1/10000 dilution

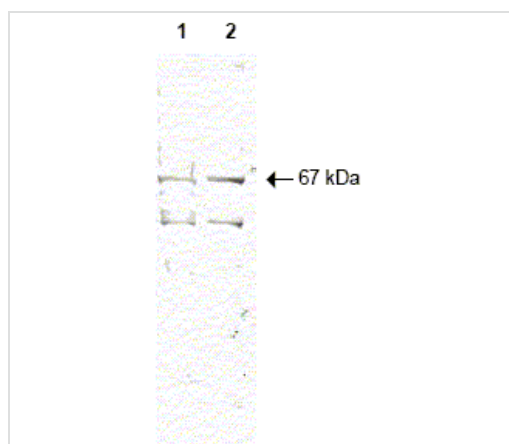
Developed using the ECL technique.

Performed under reducing conditions.

Predicted band size: 57 kDa

Observed band size: 55,67 kDa

Exposure time: 50 seconds



Western blot - Anti-NRF1 antibody (ab34682)

All lanes : Anti-NRF1 antibody (ab34682) at 1/500 dilution

Lane 1 : HeLa Nuclear extract

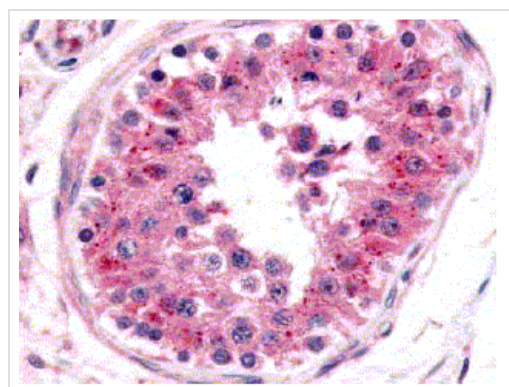
Lane 2 : HeLa Whole Cell lysate

Secondary

All lanes : IRDye™700 labelled goat-a-rabbit IgG at 1/2500 dilution

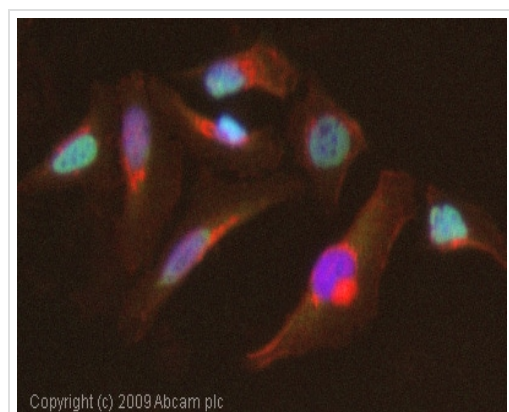
Predicted band size: 57 kDa

Observed band size: 67 kDa



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-NRF1 antibody (ab34682)

Purified anti-NRF1 antibody (ab34682) was used at 5µg/ml to detect NRF1 in human testis. Nuclear staining in lymphocytes can be observed.



Immunocytochemistry/ Immunofluorescence - Anti-NRF1 antibody (ab34682)

ICC/IF image of ab34682 stained HeLa cells. The cells were 4% PFA 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 (ab34682, 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.

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

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