

Product datasheet

Anti-Nrf2 antibody - Aminoterminal end ab75919

1 Abreviews 画像数 3

製品の概要

製品名	Anti-Nrf2 antibody - Aminoterminal end
製品の詳細	Rabbit polyclonal to Nrf2 - Aminoterminal end
由来種	Rabbit
アプリケーション	適用あり: ICC/IF, WB, ELISA
種交差性	交差種: Human
免疫原	Synthetic peptide corresponding to Human Nrf2 (N terminal) conjugated to Keyhole Limpet Haemocyanin (KLH). Database link: <a href="#">Q16236</a>
ポジティブ・コントロール	Ramos cell line lysates and 293 cell lysates either nontransfected or transiently transfected with the Nrf2 gene. IF/ICC: HeLa cell line

製品の特性

製品の状態	Liquid
保存方法	Shipped at 4°C. Upon delivery aliquot and store at -20°C or -80°C. Avoid repeated freeze / thaw cycles.
バッファー	Preservative: 0.09% Sodium Azide Constituents: PBS
精製度	Protein G purified
特記事項(精製)	ab75919 is purified through a protein G column, eluted with high and low pH buffers and neutralized immediately, followed by dialysis against PBS.
ポリ/モノ	ポリクローナル
アイソタイプ	IgG

アプリケーション

Our [Abpromise guarantee](#) covers the use of **ab75919** in the following tested applications.

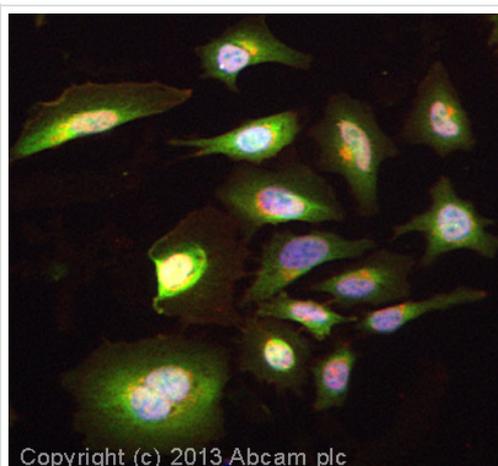
The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

アプリケーション	Abreviews	特記事項
ICC/IF		Use a concentration of 5 µg/ml.
WB		1/50 - 1/100. Detects a band of approximately 68 kDa (predicted molecular weight: 68 kDa).
ELISA		1/1000.

## ターゲット情報

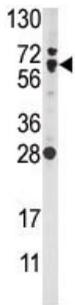
機能	Transcription activator that binds to antioxidant response (ARE) elements in the promoter regions of target genes. Important for the coordinated up-regulation of genes in response to oxidative stress. May be involved in the transcriptional activation of genes of the beta-globin cluster by mediating enhancer activity of hypersensitive site 2 of the beta-globin locus control region.
組織特異性	Widely expressed. Highest expression in adult muscle, kidney, lung, liver and in fetal muscle.
配列類似性	Belongs to the bZIP family. CNC subfamily. Contains 1 bZIP domain.
ドメイン	Acidic activation domain in the N-terminus, and DNA binding domain in the C-terminus.
翻訳後修飾	Phosphorylation of Ser-40 by PKC in response to oxidative stress dissociates NFE2L2 from its cytoplasmic inhibitor KEAP1, promoting its translocation into the nucleus.
細胞内局在	Cytoplasm > cytosol. Nucleus. Cytosolic under unstressed conditions, translocates into the nucleus upon induction by electrophilic agents.

## 画像



Immunocytochemistry/ Immunofluorescence - Anti-Nrf2 antibody - Aminoterminal end (ab75919)

ICC/IF image of ab75919 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 (ab75919, 5µg/ml) overnight at +4°C. The secondary antibody (green) was [ab96899](#), DyLight® 488 goat anti-rabbit 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.



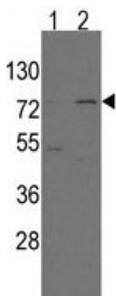
Western blot - Anti-Nrf2 antibody - Aminoterminal end (ab75919)

Anti-Nrf2 antibody - Aminoterminal end (ab75919) at 1/60 dilution + Ramos cell line lysates at 35 µg

**Predicted band size:** 68 kDa

**Observed band size:** 68 kDa

**Additional bands at:** 28 kDa, 75 kDa. We are unsure as to the identity of these extra bands.



Western blot - Nrf2 antibody (ab75919)

**All lanes :** Anti-Nrf2 antibody - Aminoterminal end (ab75919) at 1/50 dilution

**Lane 1 :** 293 cell lysates, nontransfected

**Lane 2 :** 293 cell lysates, transiently transfected with the Nrf2 gene

Lysates/proteins at 2 µg per lane.

**Predicted band size:** 68 kDa

**Observed band size:** 68 kDa

**Please note:** All products are "FOR RESEARCH USE ONLY AND ARE NOT INTENDED FOR DIAGNOSTIC OR THERAPEUTIC USE"

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