



[Go to Product page](#)

Datasheet for ABIN676673  
**anti-NRF2 antibody (pSer40)**

7 Images

19 Publications

### Overview

Quantity:	100 µL
Target:	NRF2 (NFE2L2)
Binding Specificity:	pSer40
Reactivity:	Human, Mouse, Rat, Pig
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This NRF2 antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), Immunofluorescence (Paraffin-embedded Sections) (IF (p)), Flow Cytometry (FACS), Immunohistochemistry (Frozen Sections) (IHC (fro)), Immunofluorescence (Cultured Cells) (IF (cc))

### Product Details

Immunogen:	KLH conjugated synthetic phosphopeptide derived from human Nrf2 around the phosphorylation site of Ser40 [DF(p-S)QR]
Isotype:	IgG
Cross-Reactivity:	Human, Mouse, Pig, Rat
Predicted Reactivity:	Dog,Cow,Chicken
Purification:	Purified by Protein A.

## Target Details

---

Target:	NRF2 (NFE2L2)
Alternative Name:	Nrf2 ( <a href="#">NFE2L2 Products</a> )
Background:	<p>Synonyms: NRF2, Nuclear factor erythroid 2-related factor 2, NF-E2-related factor 2, NFE2-related factor 2, HEBP1, Nuclear factor, erythroid derived 2, like 2, NFE2L2</p> <p>Background: 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.</p>
Gene ID:	4780
UniProt:	<a href="#">Q16236</a>
Pathways:	<a href="#">ER-Nucleus Signaling</a> , <a href="#">Negative Regulation of intrinsic apoptotic Signaling</a>

## Application Details

---

Application Notes:	WB 1:300-5000 ELISA 1:500-1000 FCM 1:20-100 IHC-P 1:200-400 IHC-F 1:100-500 IF(IHC-P) 1:50-200 IF(IHC-F) 1:50-200 IF(ICC) 1:50-200
Restrictions:	For Research Use only

## Handling

---

Format:	Liquid
Concentration:	1 µg/µL
Buffer:	0.01M TBS( pH 7.4) with 1 % BSA, 0.02 % Proclin300 and 50 % Glycerol.
Preservative:	ProClin
Precaution of Use:	This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE, which should be handled by trained staff only.

## Handling

---

Storage:	4 °C,-20 °C
Storage Comment:	Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.
Expiry Date:	12 months

## Publications

---

Product cited in: Ghosh, Abdo, Zhao, Wu, Shi, Lo, Chenier, Alquier, Filep, Ingelfinger, Zhang, Chan: "Insulin Inhibits Nrf2 Gene Expression via Heterogeneous Nuclear Ribonucleoprotein F/K in Diabetic Mice." in: **Endocrinology**, Vol. 158, Issue 4, pp. 903-919, (2017) ([PubMed](#)).

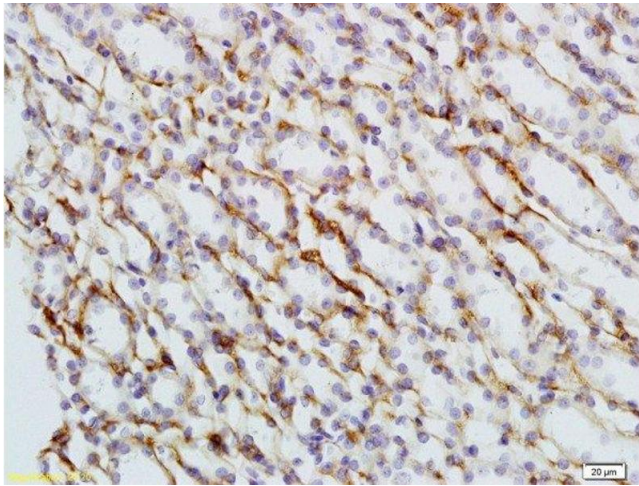
Allard, Perez, Fukui, Carpenter, Ingram, de Cabo: "Prolonged metformin treatment leads to reduced transcription of Nrf2 and neurotrophic factors without cognitive impairment in older C57BL/6J mice." in: **Behavioural brain research**, Vol. 301, pp. 1-9, (2016) ([PubMed](#)).

Yen, Chen, Jayakumar, Lu, Hsieh, Hsu, Yang, Chang, Lin, Lin, Sheu et al.: "Andrographolide stimulates p38 mitogen-activated protein kinase-nuclear factor erythroid-2-related factor 2-heme oxygenase 1 signaling in primary cerebral endothelial cells for definite protection ..." in: **Translational research : the journal of laboratory and clinical medicine**, Vol. 170, pp. 57-72, (2016) ([PubMed](#)).

Ko, Rho, Jeon, Kim, Woo, Kim, Kim: "Crude Preparations of Helicobacter pylori Outer Membrane Vesicles Induce Upregulation of Heme Oxygenase-1 via Activating Akt-Nrf2 and mTOR-IkB Kinase-NF-κB Pathways in Dendritic Cells." in: **Infection and immunity**, Vol. 84, Issue 8, pp. 2162-74, (2016) ([PubMed](#)).

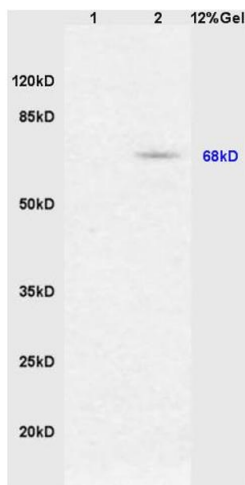
Ko, Rho, Jeon, Kim, Woo, Lee, Kim: "Bacteroides fragilis Enterotoxin Upregulates Heme Oxygenase-1 in Intestinal Epithelial Cells via a Mitogen-Activated Protein Kinase- and NF-κB-Dependent Pathway, Leading to Modulation of Apoptosis." in: **Infection and immunity**, Vol. 84, Issue 9, pp. 2541-54, (2016) ([PubMed](#)).

There are more publications referencing this product on: [Product page](#)



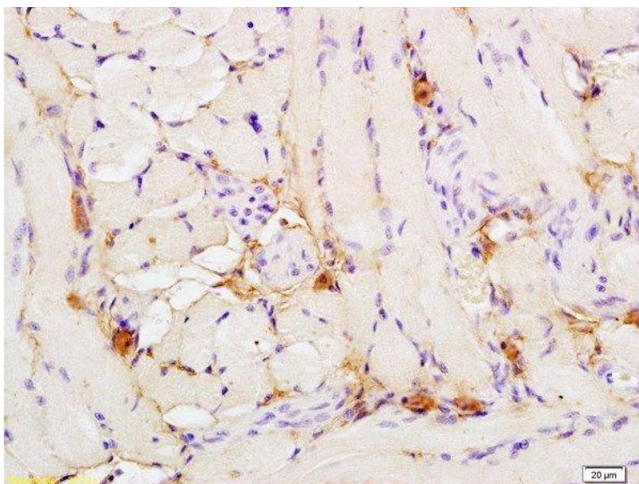
#### Immunohistochemistry (Paraffin-embedded Sections)

**Image 1.** Formalin-fixed and paraffin embedded rat kidney tissue labeled with Anti-phospho-Nrf2 (Ser40) Polyclonal Antibody , Unconjugated 1:200 followed by conjugation to the secondary antibody and DAB staining



#### SDS-PAGE

**Image 2.** Formalin-fixed and paraffin embedded rat tongue tissue labeled with Anti-phospho-Nrf2 (Ser40) Polyclonal Antibody (ABIN676673), Unconjugated 1:200 followed by conjugation to the secondary antibody and DAB staining



#### Immunohistochemistry (Paraffin-embedded Sections)

**Image 3.** Formalin-fixed and paraffin embedded rat tongue tissue labeled with Anti-phospho-Nrf2 (Ser40) Polyclonal Antibody , Unconjugated 1:200 followed by conjugation to the secondary antibody and DAB staining

Please check the [product details page](#) for more images. Overall 7 images are available for ABIN676673.