



Product name:	Nrf2 Rabbit Polyclonal Antibody
Cat number:	ABN14893
Conjugate:	Unconjugated
Size:	100 ug
Concentration:	1mg/ml
Host:	Rabbit
Isotype:	IgG
Immunogen:	The antiserum was produced against synthesized peptide derived from human Nrf2. AA range:556-605
Reactivity:	Human,Mouse,Rat
Applications:	WB 1:500-1:2000,IHC 1:100-1:300,ICC/IF 1:200-1:1000,ELISA 1:20000-1:40000
Molecular Weight:	75-100kDa
Purification:	Affinity purification
Form:	Liquid
Buffer:	Liquid in PBS containing 50% glycerol, 0.5% protective protein and 0.02% New type preservative N.
Storage:	Aliquot and store at -20°C (valid for 12 months). Avoid freeze/thaw cycles.
Synonyms:	NFE2L2; 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
Source:	Rabbit
Background:	This gene encodes a transcription factor which is a member of a small family of basic leucine zipper (bZIP) proteins. The encoded transcription factor regulates genes which contain antioxidant response elements (ARE) in their promoters; many of these genes encode proteins involved in response to injury and inflammation which includes the production of free radicals. Multiple transcript variants encoding different isoforms have been characterized for this gene. [provided by RefSeq, Sep 2015],domain:Acidic activation domain in the N-terminus, and DNA binding domain in the C-terminus.,function: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.,PTM:Phosphorylation of Ser-40 by PKC in response to oxidative stress dissociates NFE2L2 from its cytoplasmic inhibitor KEAP1, promoting its translocation into the nucleus.,similarity:Belongs to the bZIP

For Research Use Only

IMMUNOLOGICAL SCIENCES

Web-site: <https://immunologicalsciences.com> - E-mail: info@immunologicalsciences.com

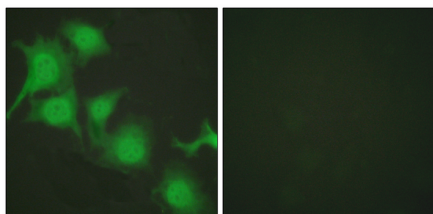


family.,similarity:Belongs to the bZIP family. CNC
subfamily.,similarity:Contains 1 bZIP domain.,subcellular
location:Cytosolic under unstressed conditions, translocates into the
nucleus upon induction by electrophilic agents.,subunit:Heterodimer. May
bind DNA with an unknown protein. Interacts with KEAP1. Interacts via its
leucine-zipper domain with the coiled-coil domain of PMF1.,tissue
specificity:Widely expressed. Highest expression in adult muscle, kidney,
lung, liver and in fetal muscle.

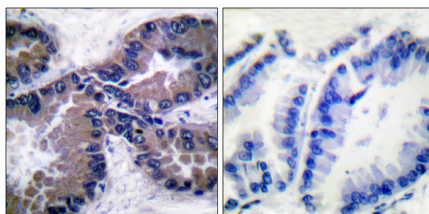
For Research Use Only

IMMUNOLOGICAL SCIENCES

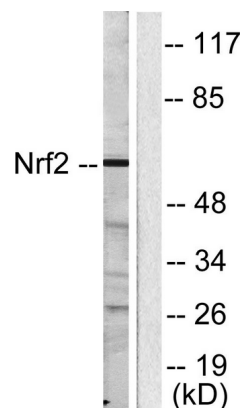
Web-site: <https://immunologicalsciences.com> - E-mail: info@immunologicalsciences.com



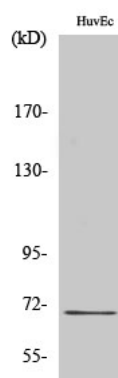
Immunofluorescence analysis of HUVEC cells, using Nrf2 Antibody. The picture on the right is blocked with the synthesized peptide.



Immunohistochemistry analysis of paraffin-embedded human lung carcinoma tissue, using Nrf2 Antibody. The picture on the right is blocked with the synthesized peptide.



Western blot analysis of lysates from HUVEC cells, using Nrf2 Antibody. The lane on the right is blocked with the synthesized peptide.



Western Blot analysis of various cells using Nrf2 Polyclonal Antibody diluted at 1:1000

For Research Use Only
IMMUNOLOGICAL SCIENCES

Web-site: <https://immunologicalsciences.com> - E-mail: info@immunologicalsciences.com