

NRF2 Antibody

Catalog No: #33450

Package Size: #33450-1 50ul #33450-2 100ul

Orders: order@signalwayantibody.comSupport: tech@signalwayantibody.com

Description

Product Name	NRF2 Antibody
Host Species	Rabbit
Clonality	Polyclonal
Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Applications	WB IHC IF
Species Reactivity	Human;Mouse;Rat
Specificity	The antibody detects endogenous levels of total NRF2 protein.
Immunogen Type	Peptide
Immunogen Description	Synthesized peptide derived from human NRF2.
Conjugates	Unconjugated
Target Name	NRF2
Other Names	HEBP1; NF-E2 related factor 2; NF2L2; NFE2-related factor 2; NFE2L2
Accession No.	Swiss-Prot: Q16236NCBI Gene ID: 4780
Calculated MW	68kda
Concentration	1.0mg/ml
Formulation	Rabbit IgG in phosphate buffered saline (without Mg ²⁺ and Ca ²⁺), pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Storage	Store at -20°C

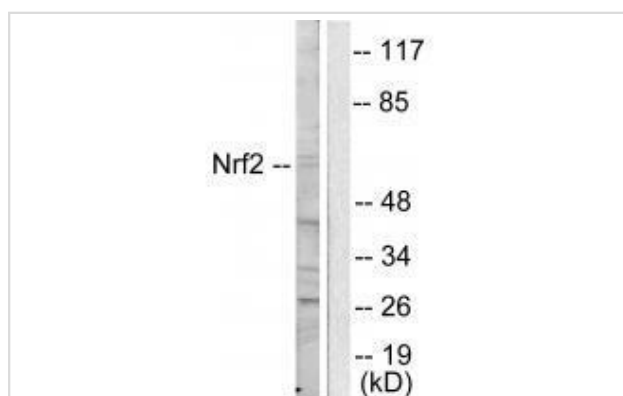
Application Details

Western blotting: 1:500~1:3000

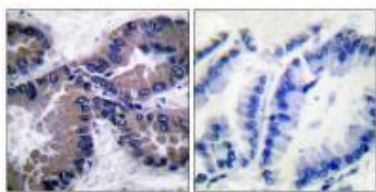
Immunohistochemistry: 1:50~1:100

Immunofluorescence: 1:100~1:500

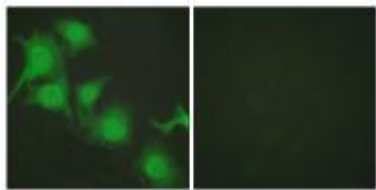
Images



Western blot analysis of extracts from HuvEc cells, using NRF2 antibody #33450.



Immunohistochemical analysis of paraffin-embedded human lung carcinoma tissue using NRF2 antibody #33450.



Immunofluorescence analysis of HuvEc cells, using NRF2 antibody #33450.

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.

Rajesh K. Thimmulappa, J. Clin. Invest., Apr 2006; 116: 984 - 995.

Sara B. Cullinan, Mol. Cell. Biol., Oct 2003; 23: 7198 - 7209.

Tirumalai Rangasamy, J. Exp. Med., Jul 2005; 202: 47 - 59.

Wenge Li, J. Biol. Chem., Aug 2005; 280: 28430 - 28438.

Published Papers

Chao Yang;Wenjun Xiong;Jiayi Dong;Xia Zhao;Guang Liang;Wenhua Zheng et al., Artemisinin protected human bronchial epithelial cells from amiodarone-induced oxidative damage via 5'-AMP-activated protein kinase (AMPK) activation., , (2025)

[PMID:39803706](https://pubmed.ncbi.nlm.nih.gov/39803706/)

Note: This product is for in vitro research use only and is not intended for use in humans or animals.