

NRF2 Antibody

Catalog No: #33450

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

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	Hu Ms Rt
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
SDS-PAGE MW	68kd
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

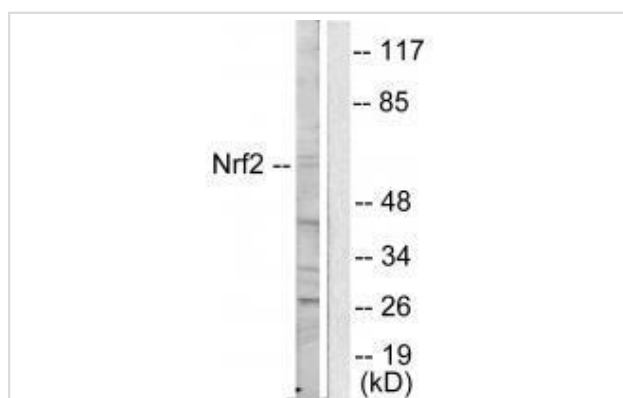
Application Details

Western blotting: 1:500~1:3000

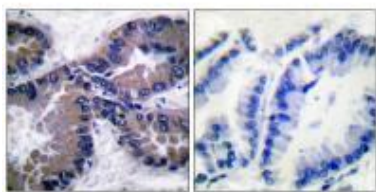
Immunohistochemistry: 1:50~1:100

Immunofluorescence: 1:100~1:500

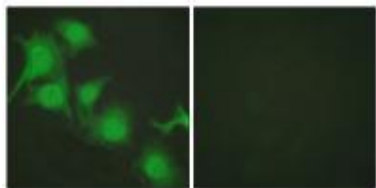
Images



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.