

Nrf2 Polyclonal Antibody

Product Details	
Size	100 µL
Species Reactivity	Avian, Human, Mouse, Plant, Reptile, Rat, Zebrafish
Published Species	Zebrafish, Mouse, Human
Host/Isotype	Rabbit / IgG
Class	Polyclonal
Type	Antibody
Conjugate	Unconjugated
Immunogen	Recombinant fragment corresponding to a region within amino acids 108 and 413 of Human NRF2
Form	Liquid
Concentration	1.65 mg/mL
Purification	Antigen affinity chromatography
Storage buffer	PBS, pH 7, with 20% glycerol
Contains	0.025% ProClin 300
Storage conditions	Store at 4°C short term. For long term storage, store at -20°C, avoiding freeze/thaw cycles.
RRID	AB_2545358

Applications	Tested Dilution	Publications
Western Blot (WB)	1:500-1:3,000	6 Publications
Immunohistochemistry (IHC)	Assay-dependent	1 Publication
Immunohistochemistry (Paraffin) (IHC (P))	1:100-1:1,000	-
Immunocytochemistry (ICC/IF)	1:100-1:1,000	1 Publication
Immunoprecipitation (IP)	1:100-1:500	1 Publication
ChIP assay (ChIP)	5 µg	-
Miscellaneous PubMed (Misc)	-	1 Publication

Product Specific Information

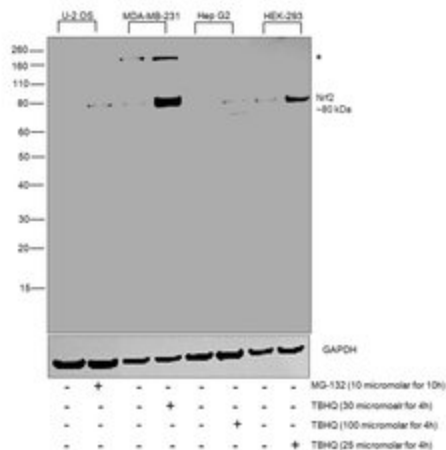
Recommended positive controls: C8D30, 3xFlag-human NFE2L2-transfected 293T, MDA-MB-231 nuclear extract, MDA-MB-231 nuclear extract (30 µM tBHQ, 4hr), HepG2 (10 µM MG132 treatment for 15 hr).

Predicted reactivity: Rhesus Monkey (99%), Bovine (84%).

Store product as a concentrated solution. Centrifuge briefly prior to opening the vial.

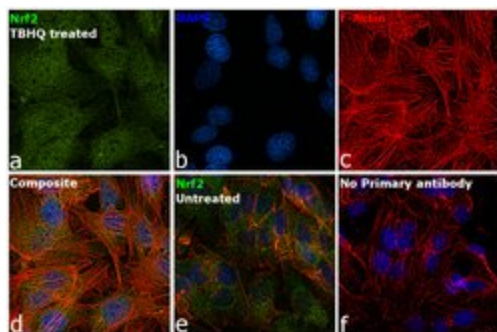
Nrf2 Antibody (PA5-27882)

Altered expression of proteins upon cell treatment demonstrates antibody specificity. Western blot using Nrf2 Polyclonal Antibody (Product # PA5-27882), shows upregulation of its expression upon MG-132 and TBHQ treatments across the cell lines tested. Cell treatment validation info.



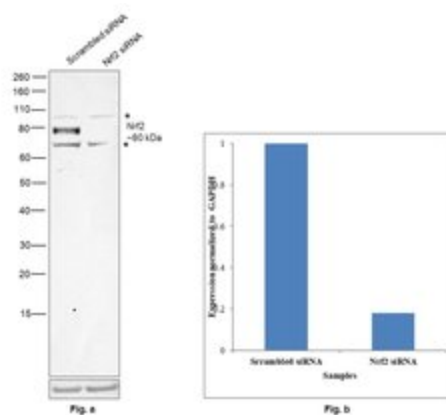
Nrf2 Antibody (PA5-27882)

Detection of altered subcellular localization of the target protein by cell treatment demonstrates antibody specificity. Immunofluorescence analysis using Nrf2 Polyclonal Antibody (Product # PA5-27882), shows nuclear translocation of NRF2 upon TBHQ treatment. Cell treatment validation info.



Nrf2 Antibody (PA5-27882)

Antibody specificity was demonstrated by siRNA mediated knockdown of target protein. U-2 OS cells were transfected with Nuclear factor erythroid 2-related factor 2 siRNA and decrease in signal intensity was observed in Western Blot application using Anti-Nrf2 Polyclonal Antibody (Product # PA5-27882). Knockdown validation info.



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10 References

Western Blot (6)

Frontiers in immunology

Polarization of Low-Grade Inflammatory Monocytes Through TRAM-Mediated Up-Regulation of Keap1 by Super-Low Dose Endotoxin.

"Published figure using Nrf2 polyclonal antibody (Product # PA5-27882) in Immunoprecipitation"

Authors: Rahtes A, Li L

Species

Mouse
Not Applicable

Dilution

Not Cited
Not Cited

Year

2021

Cell death & disease

Chloroquine reverses chemoresistance via upregulation of p21^{WAF1/CIP1} and autophagy inhibition in ovarian cancer.

"PA5-27882 was used in Western Blotting to demonstrate that CQ increases cytotoxicity in combination with CDDP by inducing lethal DNA damage by induction of p21^{WAF1/CIP1} expression and autophagy inhibition in CDDP-resistant EOC."

Authors: Hwang JR, Kim WY, Cho YJ, Ryu JY, Choi JJ, Jeong SY, Kim MS, Kim JH, Paik ES, Lee YY, Han HD, Lee JW

Species

Human

Dilution

Not Cited

Year

2020

[View more WB references on thermofisher.com](#)

Immunohistochemistry (1)

Genes

VEGFA and NFE2L2 Gene Expression and Regulation by MicroRNAs in Thyroid Papillary Cancer and Colloid Goiter.

"PA5-27882 was used in Immunohistochemistry to suggest that hsa-miR-17-5p may be a positive regulator of NFE2L2 expression in PTC."

Authors: Stuchi LP, Castanhole-Nunes MMU, Maniezzo-Stuchi N, Biselli-Chicote PM, Henrique T, Padovani Neto JA, de-Santi Neto D, Girol AP, Pavarino EC, Goloni-Bertollo EM

Species

Human

Dilution

1:100

Year

2020

Immunocytochemistry (1)

Frontiers in pharmacology

P-Hydroxybenzyl Alcohol Alleviates Oxidative Stress in a Nonalcoholic Fatty Liver Disease Larval Zebrafish Model and a BRL-3A Hepatocyte Via the Nrf2 Pathway.

"Published figure using Nrf2 polyclonal antibody (Product # PA5-27882) in Immunocytochemistry"

Authors: An J, Cheng L, Yang L, Song N, Zhang J, Ma K, Ma J

Species

Not Applicable

Dilution

Not Cited

Year

2021

More applications with references on thermofisher.com

IP (1) **Misc (1)**

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