

Product Datasheet

Nrf2 Antibody (2G7) - Azide and BSA Free H00004780-M02

Unit Size: 0.1 mg

Aliquot and store at -20C or -80C. Avoid freeze-thaw cycles.

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H00004780-M02

Nrf2 Antibody (2G7) - Azide and BSA Free

Product Information	
Unit Size	0.1 mg
Concentration	Concentrations vary lot to lot. See vial label for concentration. If unlisted please contact technical services.
Storage	Aliquot and store at -20C or -80C. Avoid freeze-thaw cycles.
Clonality	Monoclonal
Clone	2G7
Preservative	No Preservative
Isotype	IgG2a Kappa
Purity	IgG purified
Buffer	In 1x PBS, pH 7.4
Product Description	
Description	Quality control test: Antibody Reactive Against Recombinant Protein.
Host	Mouse
Gene ID	4780
Gene Symbol	NFE2L2
Species	Human, Mouse
Reactivity Notes	Mouse reactivity reported from customer review. Please note that this antibody is reactive to Mouse and derived from the same host, Mouse. Additional Mouse on Mouse blocking steps may be required for IHC and ICC experiments. Please contact Technical Support for more information.
Specificity/Sensitivity	nuclear factor (erythroid-derived 2)-like 2
Immunogen	NFE2L2 (AAH11558, 71 a.a. ~ 170 a.a) partial recombinant protein with GST tag. MW of the GST tag alone is 26 KDa. FAQLQLDEETGEFLPIQPAQHIQSETSGSANYSQVAHIPKSDALYFDDCMQLLA QTFPFVDDNEVSSATFQSLVPDIPGHIESPVFIATNQAQSPETSVA
Notes	This product is produced by and distributed for Abnova, a company based in Taiwan.
Product Application Details	
Applications	Western Blot, ELISA, Immunocytochemistry/ Immunofluorescence
Recommended Dilutions	Western Blot 1:500, ELISA, Immunocytochemistry/ Immunofluorescence 1:10-1:500
Application Notes	Antibody reactivity against Recombinant Protein with GST tag on ELISA and WB. GST tag alone is used as a negative control.

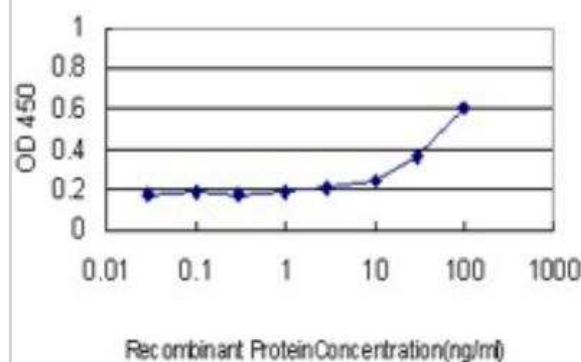


Images

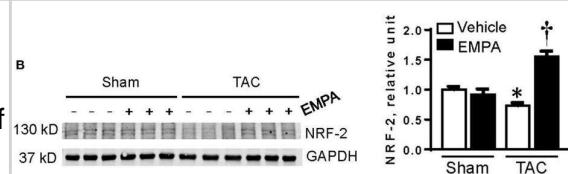
Immunocytochemistry/Immunofluorescence: Nrf2 Antibody (2G7) [H00004780-M02] - Analysis of monoclonal antibody to NFE2L2 on HeLa cell . Antibody concentration 10 ug/ml.



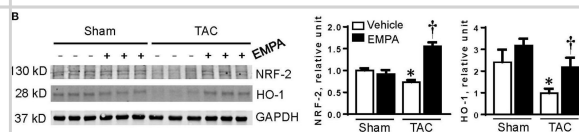
ELISA: Nrf2 Antibody (2G7) [H00004780-M02] - Detection limit for recombinant GST tagged NFE2L2 is approximately 3ng/ml as a capture antibody.



Western Blot: Nrf2 Antibody (2G7) [H00004780-M02] - EMPA treatment attenuated cardiomyocyte overproduction of reactive oxygen species (ROS) induced by TAC. Cardiac expression of endogenous antioxidant-related genes was significantly reduced after TAC. Representative blot of NRF2 and quantitative results. Image collected and cropped by CiteAb from the following publication ([//pubmed.ncbi.nlm.nih.gov/35647080/](https://pubmed.ncbi.nlm.nih.gov/35647080/)) licensed under a CC-BY license.



Western Blot: Nrf2 Antibody (2G7) [H00004780-M02] - EMPA treatment attenuated cardiomyocyte overproduction of reactive oxygen species (ROS) induced by TAC. (A) Left, Mitosox staining of cardiomyocytes in sham, sham + EMPA, TAC & TAC + EMPA groups & Right, quantitative results. (B) Representative blots of NRF-2 & HO-1, & quantitative results. (C) The relative mRNA levels of genes related to endogenous antioxidants. Results are expressed as mean \pm SEM, n = 5–7, *p < 0.05 vs. corresponding sham group, †p < 0.05 vs. corresponding TAC vehicle group. One-way ANOVA & Tukey post hoc test. EMPA, empagliflozin; SEM, standard error of the mean; TAC, transverse aortic constriction; NRF-2, the nuclear factor erythroid 2-related factor 2; HO-1, heme oxygenase-1; GCLM, glutamate-cysteine ligase modifier subunit; GAPDH, glyceraldehyde 3-phosphate dehydrogenase. Image collected & cropped by CiteAb from the following publication (<https://pubmed.ncbi.nlm.nih.gov/35647080/>), licensed under a CC-BY license. Not internally tested by Novus Biologicals.



Publications

Li X, Flynn ER, do Carmo JM et al. Direct Cardiac Actions of Sodium-Glucose Cotransporter 2 Inhibition Improve Mitochondrial Function and Attenuate Oxidative Stress in Pressure Overload-Induced Heart Failure *Frontiers in Cardiovascular Medicine* 2022-05-12 [PMID: 35647080] (Block/Neutralize)

Sanchez-Martin FJ, Fan Y, Carreira V et al. Long-term Coexposure to Hexavalent Chromium and B[a]P Causes Tissue-Specific Differential Biological Effects in Liver and Gastrointestinal Tract of Mice *Toxicol. Sci.* 2015-03-29 [PMID: 25820237] (WB, Mouse)





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Products Related to H00004780-M02

HAF007	Goat anti-Mouse IgG Secondary Antibody [HRP]
NB720-B	Rabbit anti-Mouse IgG (H+L) Secondary Antibody [Biotin]
NBP1-96981-0.5mg	Mouse IgG2a Kappa Isotype Control (M2AK)
H00004780-P01-10ug	Recombinant Human Nrf2 GST (N-Term) Protein

Limitations

This product is for research use only and is not approved for use in humans or in clinical diagnosis. Primary Antibodies are guaranteed for 1 year from date of receipt.

For more information on our 100% guarantee, please visit www.novusbio.com/guarantee

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