

Product Datasheet

Nrf2 [p Ser40] Antibody (SU0334) NBP2-67465

Unit Size: 100 ul

Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.

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NBP2-67465

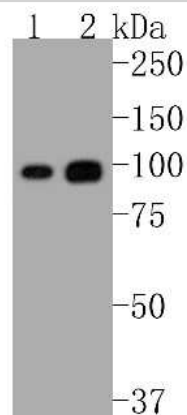
Nrf2 [p Ser40] Antibody (SU0334)

Product Information	
Unit Size	100 ul
Concentration	1 mg/ml
Storage	Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.
Clonality	Monoclonal
Clone	SU0334
Preservative	0.05% Sodium Azide
Isotype	IgG
Purity	Protein A purified
Buffer	TBS (pH7.4), 0.05% BSA, 40% Glycerol
Product Description	
Host	Rabbit
Gene ID	4780
Gene Symbol	NFE2L2
Species	Human, Mouse, Rat
Immunogen	Synthetic phospho-peptide corresponding to residues surrounding Ser40 of Human Nrf2 aa 20-69 / 605. (SwissProt: Q16236 Human)
Product Application Details	
Applications	Western Blot, Flow Cytometry, Immunohistochemistry, Immunohistochemistry-Paraffin
Recommended Dilutions	Western Blot 1:500-1:2,000, Flow Cytometry 1:50-1:100, Immunohistochemistry, Immunohistochemistry-Paraffin 1:50-1:200

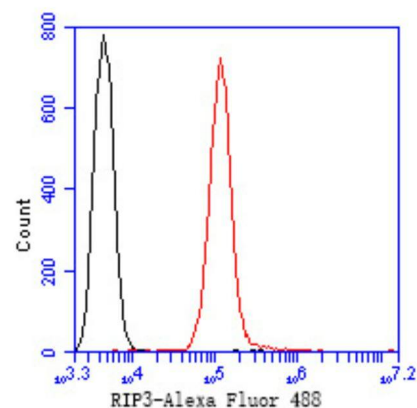


Images

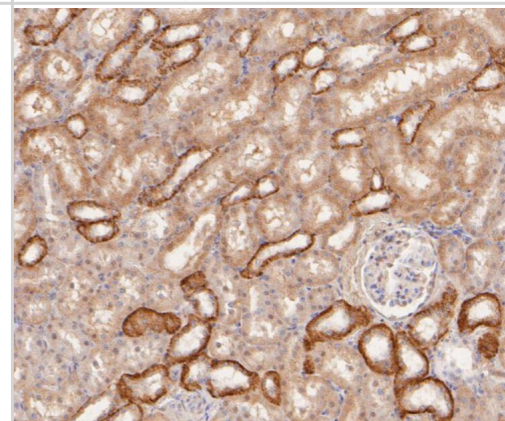
Western Blot: Nrf2 [p Ser40] Antibody (SU0334) [NBP2-67465] -
Western blot analysis of Nrf2 on different lysates. Proteins were transferred to a PVDF membrane and blocked with 5% BSA in PBS for 1 hour at room temperature. The primary antibody (1/500) was used in 5% BSA at room temperature for 2 hours. Goat Anti-Rabb



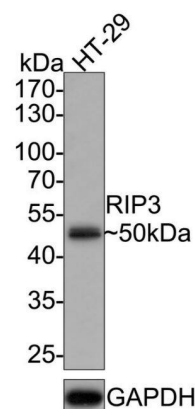
Flow Cytometry: Nrf2 [p Ser40] Antibody (SU0334) [NBP2-67465] -
Analysis of RIP3 was done on SW620 cells. The cells were fixed, permeabilized and stained with the primary antibody (1/50) (red). After incubation of the primary antibody at room temperature for an hour, the cells were stained with a Alexa Fluor 488-conjugated Goat anti-Rabbit IgG Secondary antibody at 1/1000 dilution for 30 minutes. Unlabelled sample was used as a control (cells without incubation with primary antibody; black).



Immunohistochemistry-Paraffin: Nrf2 [p Ser40] Antibody (SU0334) [NBP2-67465] -Rat kidney tissue using anti-RIP3 antibody. The section was pre-treated using heat mediated antigen retrieval with Tris-EDTA buffer (pH 8.0-8.4) for 20 minutes. The tissues were blocked in 5% BSA for 30 minutes at room temperature, washed with ddH₂O and PBS, and then probed with the primary antibody (1/50) for 30 minutes at room temperature. The detection was performed using an HRP conjugated compact polymer system. DAB was used as the chromogen. Tissues were counterstained with hematoxylin and mounted with DPX.



Western Blot: Nrf2 [p Ser40] Antibody (SU0334) [NBP2-67465] -
Analysis of RIP3 on HT-29 cell lysates with Rabbit anti-RIP3 antibody at 1/1,000 dilution. Lysates/proteins at 10 ug/Lane. Predicted band size: 57 kDa Observed band size: 50 kDa Exposure time: 2 minutes; 12% SDS-PAGE gel. Proteins were transferred to a PVDF membrane and blocked with 5% NFDM/TBST for 1 hour at room temperature. The primary antibody at 1/1,000 dilution was used in 5% NFDM/TBST at room temperature for 2 hours. Goat Anti-Rabbit IgG - HRP Secondary Antibody at 1:100,000 dilution was used for 1 hour at room temperature.



Publications

Yang J, Choi M, Shin H et al. Phyllostachys nigra Variety Henosis, a Domestic Bamboo Species, Protects PC12 Cells from Oxidative Stress-mediated Cell Injury through Nrf2 Activation *Biotechnology and Bioprocess Engineering* 2022-06-21

Park JW, Oh JH, Hwang D et al. 3,4,5-Trihydroxycinnamic acid exerts anti inflammatory effects on TNF alpha/IFN gamma stimulated HaCaT cells *Molecular medicine reports* 2021-07-01 [PMID: 33982762] (WB, Human)

De Blasio A, Di Fiore R, Pratelli G et al. A loop involving NRF2, miR-29b-1-5p and AKT, regulates cell fate of MDA-MB-231 triple-negative breast cancer cells *J. Cell. Physiol.* 2019-07-10 [PMID: 31313842]





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Products Related to NBP2-67465

HAF008	Goat anti-Rabbit IgG Secondary Antibody [HRP]
NB7160	Goat anti-Rabbit IgG (H+L) Secondary Antibody [HRP]
NBP2-24891	Rabbit IgG Isotype Control
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.

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