

## phospho-Nrf2 (Ser40) Rabbit pAb

Catalog Number: bs-2013R

Target Protein: phospho-Nrf2 (Ser40)

Concentration: 1mg/ml

Form: Liquid

Host: Rabbit

Clonality: Polyclonal

Isotype: IgG

Applications: WB (1:500-2000), ICC/IF (1:100)

Reactivity: Human, Mouse (predicted:Rat, Cow, Chicken, Dog)

Predicted MW: 68 kDa

Entrez Gene: 4780

Swiss Prot: Q16236

Source: KLH conjugated Synthesised phosphopeptide derived from human Nrf2 around the phosphorylation site of Ser40: DF(p-S)QR.

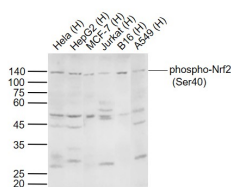
Purification: affinity purified by Protein A

Storage: 0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.

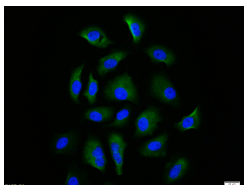
Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.

**Background:** Nuclear factor erythroid 2-related factor 2 (Nrf2) is a transcription factor which regulates the expression of many detoxification and antioxidant enzymes. Nrf2 can potentially play a significant role in adaptive responses to oxidative stress. Nrf2 belongs to the Cap N Collar (CNC-bZIP) subfamily of basic /leucine zipper (bZIP) transcription factors.

### VALIDATION IMAGES



Sample: Lane 1: Hela (Human) Cell Lysate at 30 ug Lane 2: HepG2 (Human) Cell Lysate at 30 ug Lane 3: MCF-7 (Human) Cell Lysate at 30 ug Lane 4: Jurkat (Human) Cell Lysate at 30 ug Lane 5: B16 (Human) Cell Lysate at 30 ug Lane 6: A549 (Human) Cell Lysate at 30 ug Primary: Anti-phospho-Nrf2 (Ser40) (bs-2013R) at 1/1000 dilution Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution Predicted band size: 68 kD Observed band size: 135 kD



HepG2 cell; 4% Paraformaldehyde-fixed; Triton X-100 at room temperature for 20 min; Blocking buffer (normal goat serum, C-0005) at 37°C for 20 min; Antibody incubation with (phospho-Nrf2 (Ser40)) polyclonal Antibody, Unconjugated (bs-2013R) 1:100, 90 minutes at 37°C; followed by a conjugated Goat Anti-Rabbit IgG antibody at 37°C for 90 minutes, DAPI (blue, C02-04002) was used to stain the cell nuclei.

## PRODUCT SPECIFIC PUBLICATIONS

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[IF=9.274] Wiebke Sachs. et al. Distinct Modes of Balancing Glomerular Cell Proteostasis in Mucopolidosis Type II and III Prevent Proteinuria. J Am Soc Nephrol. 2020 Aug;31(8):1796-1814 WB,IF ; Mouse . 32641396

[IF=7.5] Melania Guerrero-Hue. et al. Tweak/Fn14 system is involved in rhabdomyolysis-induced acute kidney injury. BIOMED PHARMACOTHER. 2023 Dec;169:115925 IF ; Mouse . 38007933

[IF=8.071] Ming Qi. et al. Ellagic acid ameliorates paraquat-induced liver injury associated with improved gut microbial profile. Environ Pollut. 2022 Jan;293:118572 WB ; Pig . 34838710

[IF=7.627] Zamponi et al. Nrf2 stabilization prevents critical oxidative damage in Down syndrome cells. (2018) Aging.Cell. 17:e12812 IF,WB ; Mouse . 30028071

[IF=7.446] Jianbing Wu. et al. Design, Synthesis, and Biological Evaluation of Organic Nitrite (NO<sub>2</sub><sup>-</sup>) Donors as Potential Anticerebral Ischemia Agents. J Med Chem. 2021;XXXX(XXX):XXX-XXX IHC ; Rat . 34292749