

bs-2013R**[Primary Antibody]****BioSS**
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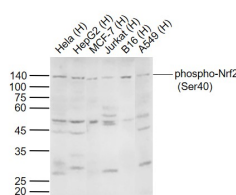
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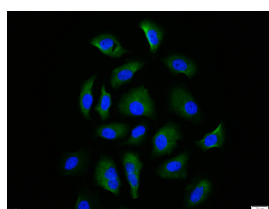
400-901-9800

phospho-Nrf2 (Ser40) Rabbit pAb**— DATASHEET —**

Host: Rabbit	Isotype: IgG	Applications: WB (1:500-2000) ICC/IF (1:100)
Clonality: Polyclonal		
GeneID: 4780	SWISS: Q16236	Reactivity: Human, Mouse (predicted: Rat, Cow, Chicken, Dog)
Target: Nrf2 (Ser40)		
Immunogen: KLH conjugated Synthesised phosphopeptide derived from human Nrf2 around the phosphorylation site of Ser40: DF(p-S)QR.		
Purification: affinity purified by Protein A		Predicted MW.: 68 kDa
Concentration: 1mg/ml		Subcellular Location: Cytoplasm ,Nucleus
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.

— SELECTED CITATIONS —

- **[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 (NO₂-) Donors as

Important Note: This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.

