

## Nrf2 Rabbit pAb

Catalog Number: bs-1074R

Target Protein: Nrf2

Concentration: 1mg/ml

Form: Liquid

Host: Rabbit

Clonality: Polyclonal

Isotype: IgG

Applications: WB (1:500-2000), IHC-P (1:100-500), IHC-F (1:100-500), IF (1:100-500)

Reactivity: Human, Mouse, Rat

Predicted MW: 68 kDa

Entrez Gene: 4780

Swiss Prot: Q16236

Source: KLH conjugated synthetic peptide derived from human Nrf2: 401-500/605.

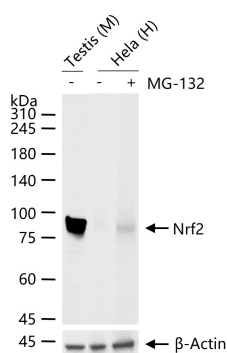
Purification: affinity purified by Protein A

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

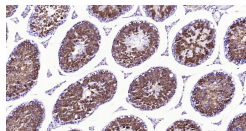
Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.

**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.

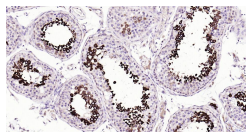
### VALIDATION IMAGES



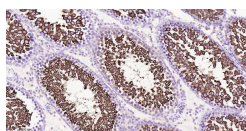
Hela (H) cells were treated with or without MG-132 (10  $\mu$ M) for 10h, 25  $\mu$ g total protein per lane of cell lysates (see on figure) probed with Nrf2 monoclonal antibody, unconjugated (bsm-61093R) at 1:1000 dilution and 4°C overnight incubation. Followed by conjugated secondary antibody incubation at r.t. for 60 min.



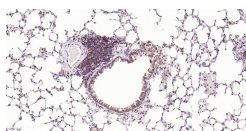
Paraformaldehyde-fixed, paraffin embedded Mouse Testicles; Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15 min; Antibody incubation with Nrf2 Polyclonal Antibody, Unconjugated (bs-1074R) at 1:200 overnight at 4°C, followed by conjugation to the SP Kit (Rabbit, SP-0023) and DAB (C-0010) staining.



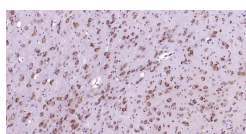
Paraformaldehyde-fixed, paraffin embedded Human Testicles; Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15 min; Antibody incubation with Nrf2 Polyclonal Antibody, Unconjugated (bs-1074R) at 1:200 overnight at 4°C, followed by conjugation to the SP Kit (Rabbit, SP-0023) and DAB (C-0010) staining.



Paraformaldehyde-fixed, paraffin embedded Rat Testicles; Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15 min; Antibody incubation with Nrf2 Polyclonal Antibody, Unconjugated (bs-1074R) at 1:200 overnight at 4°C, followed by conjugation to the bs-0295G-HRP and DAB (C-0010) staining.



Paraformaldehyde-fixed, paraffin embedded Mouse Lung; Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15 min; Antibody incubation with Nrf2 Polyclonal Antibody, Unconjugated (bs-1074R) at 1:200 overnight at 4°C, followed by conjugation to the SP Kit (Rabbit, SP-0023) and DAB (C-0010) staining.



Paraformaldehyde-fixed, paraffin embedded Mouse Cerebrum; Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15 min; Antibody incubation with Nrf2 Polyclonal Antibody, Unconjugated (bs-1074R) at 1:200 overnight at 4°C, followed by conjugation to the SP Kit (Rabbit, SP-0023) and DAB (C-0010) staining.

## PRODUCT SPECIFIC PUBLICATIONS

**[IF=17.1]** Lei Liu. et al. Myricetin Oligomer Triggers Multi-Receptor Mediated Penetration and Autophagic Restoration of Blood-Brain Barrier for Ischemic Stroke Treatment. ACS NANO. 2024;XXXX(XXX):XXX-XXX WB ; Rat . 38533773

**[IF=10.183]** Jae Yeon Kim. et al. Increased PRL-1 in bone marrow-derived mesenchymal stem cells triggers anaerobic metabolism via mitochondria in a cholestatic rat model. MOL THER-NUCL ACIDS. 2023 Feb 04 WB ; Rat . 36865088

**[IF=10.2]** Wen E. et al. The mitochondria-targeted Kaempferol nanoparticle ameliorates severe acute pancreatitis. J NANOBIOTECHNOL. 2024 Dec;22(1):1-15 WB ; Mouse . 38570776

**[IF=8.724]** Jianmei Li. et al. Mn-containing bioceramics inhibit osteoclastogenesis and promote osteoporotic bone regeneration via scavenging ROS. Bioact Mater. 2021 Nov;6:3839 IF ; Rat . 33898880

**[IF=7.675]** Shuang Wang. et al. Dioscin Protects against Cisplatin-Induced Acute Kidney Injury by Reducing Ferroptosis and Apoptosis through Activating Nrf2/HO-1 Signaling. ANTIOXIDANTS-BASEL. 2022 Dec;11(12):2443 IF ; Rat . 36552651