

phospho-Nrf2 (Ser40) Recombinant Rabbit mAb

Catalog Number: bsm-52179R

Target Protein: phospho-Nrf2 (Ser40)

Concentration: 1mg/ml

Form: Liquid

Host: Rabbit

Clonality: Recombinant

Clone No.: 7G4

Isotype: IgG

Applications: WB (1:500-2000), IHC-P (1:100-500), IHC-F (1:100-500), IF (1:100-500), Flow-Cyt (1µg/Test), ICC/IF (1:50-200)

Reactivity: Human

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.

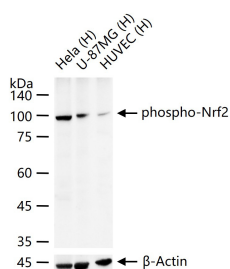
Purification: affinity purified by Protein A

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

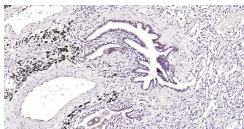
Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.

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.

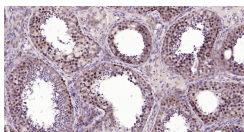
VALIDATION IMAGES



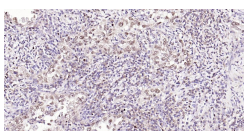
25 ug total protein per lane of various lysates (see on figure) probed with phospho-Nrf2 (Ser40) monoclonal antibody, unconjugated (bsm-52179R) at 1:2000 dilution and 4°C overnight incubation. Followed by conjugated secondary antibody incubation at r.t. for 60 min.



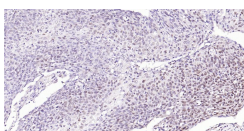
Paraformaldehyde-fixed, paraffin embedded Human Lung; Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15 min; Antibody incubation with phospho-Nrf2 (Ser40) Monoclonal Antibody, Unconjugated(bsm-52179R) at 1:200 overnight at 4°C, followed by conjugation to the SP Kit (Rabbit, SP-0023) and DAB (C-0010) staining.



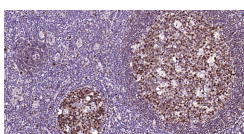
Paraformaldehyde-fixed, paraffin embedded Human Testicles; Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15 min; Antibody incubation with phospho-Nrf2 (Ser40) Monoclonal Antibody, Unconjugated(bsm-52179R) at 1:200 overnight at 4°C, followed by conjugation to the SP Kit (Rabbit, SP-0023) and DAB (C-0010) staining.



Paraformaldehyde-fixed, paraffin embedded Human Cervical Cancer; Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15 min; Antibody incubation with phospho-Nrf2 (Ser40) Monoclonal Antibody, Unconjugated(bsm-52179R) at 1:200 overnight at 4°C, followed by conjugation to the bs-0295G-HRP and DAB (C-0010) staining.



Paraformaldehyde-fixed, paraffin embedded Human Skin Cancer; Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15 min; Antibody incubation with phospho-Nrf2 (Ser40) Monoclonal Antibody, Unconjugated(bsm-52179R) at 1:200 overnight at 4°C, followed by conjugation to the bs-0295G-HRP and DAB (C-0010) staining.



Paraformaldehyde-fixed, paraffin embedded Human Tonsil; Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15 min; Antibody incubation with phospho-Nrf2 (Ser40) Monoclonal Antibody, Unconjugated(bsm-52179R) at 1:200 overnight at 4°C, followed by conjugation to the bs-0295G-HRP and DAB (C-0010) staining.

PRODUCT SPECIFIC PUBLICATIONS

[IF=3.881] Zubeyir Elmazoglu. et al. Cannabinoid-profiled agents improve cell survival via reduction of oxidative stress and inflammation, and Nrf2 activation in a toxic model combining hyperglycemia+Aβ1-42 peptide in rat hippocampal neurons. *Neurochem Int.* 2020 Nov;140:104817 WB ; Rat . 32781098