bs-23531R **[Primary Antibody]**

phospho-Nrf2 (Ser40) Rabbit pAb

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DATASHEET

Host: Rabbit **Isotype:** IgG

Clonality: Polyclonal

GeneID: 4780 **SWISS:** Q16236

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

Concentration: 1mg/ml

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.

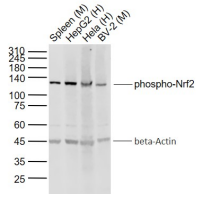
Applications: **WB** (1:500-2000)

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

Predicted MW.: 68 kDa

Subcellular Location: Cytoplasm ,Nucleus

VALIDATION IMAGES



Sample: Lane 1: Spleen (Mouse) Tissue Lysate at 40 ug Lane 2: HepG2 (Human) Cell Lysate at 30 ug Lane 3: Hela (Human) Cell Lysate at 30 ug Lane 4: BV-2 (Mouse) Cell Lysate at 30 ug Primary: Anti-phospho-Nrf2 (Ser40) (bs-23531R) at 1/1000 dilution Anti-beta-Actin (bs-0061R) at 1/2000 dilution Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution Predicted band size: 68 kD Observed band size: 120 kD

SELECTED CITATIONS

- **[IF=5.4]** Qianyan Gao. et al. Ginsenoside Rg1 alleviates ANIT-induced cholestatic liver injury by inhibiting hepatic inflammation and oxidative stress via SIRT1 activation. J ETHNOPHARMACOL. 2024 Jan;319:117089 IF ;Mouse. 37634749
- **[IF=3.8]** Liu Yujia. et al. Aerobic exercise improves BKCa channel-mediated vasodilation in diabetic vascular smooth muscle via AMPK/Nrf2/HO-1 pathway. ACTA DIABETOL. 2023 Dec;:1-10 WB ;Mouse,Rat. 38041787