bs-11445R **[Primary Antibody]**

phospho-NCF1 (Ser359) Rabbit pAb

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DATASHEET

Host: Rabbit **Isotype:** IgG

Clonality: Polyclonal

GeneID: 653361 **SWISS:** P14598

Target: NCF1 (Ser359)

Immunogen: KLH conjugated synthesised phosphopeptide derived from human NCF1 around the phosphorylation site of Ser359: QR(p-S)K.

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: NCF1, along with NCF2 and a membrane bound cytochrome b558, is required for activation of the latent NADPH oxidase necessary for superoxide production. Defects in NCF1 are the cause of autosomal cytochrome-b-positive chronic granulomatous disease type 1 (CGD).

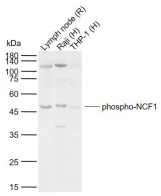
Applications: **WB** (1:500-2000)

Reactivity: Human, Rat

Predicted MW.: 45 kDa

Subcellular Location: Cytoplasm

VALIDATION IMAGES



Sample: Lane 1: Rat Lymph node tissue lysates Lane 2: Human Raji cell lysates Lane 3: Human THP-1 cell lysates Primary: Anti- phospho-NCF1 (Ser359) (bs-11445R) at 1/1000 dilution Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution Predicted band size: 45 kDa Observed band size: 47 kDa

SELECTED CITATIONS

- **[IF=7.285]** Shen, Liang. et al. Angiotensin Type 2 Receptor Pharmacological Agonist Relieves Neurocognitive Deficits via Reducing Neuroinflammation and Microglial Engulfment of Dendritic Spines. J NEUROIMMUNE PHARM. 2022 Dec;:1-17 WB ;Mouse. 36464726
- **[IF=4.776]** Arifen, Nahida. et al. Sirtuin1 inhibitor attenuates hypertension in spontaneously hypertensive rats: role of Giα proteins and nitroxidative stress. J HYPERTENS. 2022 Jul;40(7):1314-1326 WB ;Rat. 35762472
- **[IF=3.8]** Xin Guo. et al. Aspirin protects human trophoblast HTR-8/SVneo cells from H2O2-Induced oxidative stress via NADPH/ROS pathway. PLACENTA. 2023 Dec;144:55 WB ;Human. 37995441
- **[IF=3.26]** Chen, Gangling, et al. "Limb Remote Ischemic Postconditioning Reduces Ischemia-Reperfusion Injury by Inhibiting NADPH Oxidase Activation and MyD88-TRAF6-P38MAP-Kinase Pathway of Neutrophils." International Journal of Molecular Sciences 17.12 (2016): 1971. WB ;Rat. 27898007