

**bs-3886R****[ Primary Antibody ]****Bioss**  
ANTIBODIES

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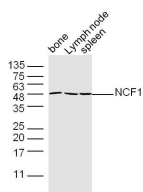
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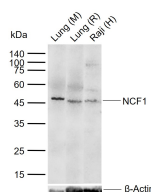
400-901-9800

**NCF1 Rabbit pAb****— DATASHEET —**

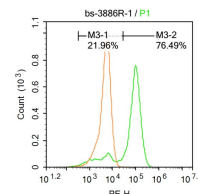
<b>Host:</b> Rabbit	<b>Isotype:</b> IgG	<b>Applications:</b> WB (1:500-2000) <b>Flow-Cyt</b> (1ug/test)
<b>Clonality:</b> Polyclonal		
<b>GeneID:</b> 653361	<b>SWISS:</b> P14598	<b>Reactivity:</b> Human, Mouse, Rat (predicted: Dog)
<b>Target:</b> NCF1		
<b>Immunogen:</b> KLH conjugated synthetic peptide derived from human NCF1: 151-250/390.		
<b>Purification:</b> affinity purified by Protein A		
<b>Concentration:</b> 1mg/ml		<b>Predicted MW.:</b> 45 kDa
<b>Storage:</b> 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.		<b>Subcellular Location:</b> Cytoplasm
<b>Background:</b> 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).		

**— VALIDATION IMAGES —**

Sample: Bone (Mouse) Lysate at 40 ug Lymph node (Mouse) Lysate at 40 ug Spleen (Mouse) Lysate at 40 ug  
 Primary: Anti-NCF1 (bs-3886R) at 1/300 dilution Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution Predicted band size: 45 kD Observed band size: 48 kD



Sample: Lane 1: Mouse Lung tissue lysates Lane 2: Rat Lung tissue lysates Lane 3: Human Raji cell lysates  
 Primary: Anti-NCF1 (bs-3886R) at 1/1000 dilution Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution Predicted band size: 45 kDa Observed band size: 46 kDa



U-937 cells were fixed with 4% PFA for 10min at room temperature, permeabilized with 90% ice-cold methanol for 20 min at room temperature, and incubated in 5% BSA blocking buffer for 30 min at room temperature. Cells were then stained with NCF1 Antibody(bs-3886R) at 1:100 dilution in blocking buffer and incubated for 30 min at room temperature, washed twice with 2%BSA in PBS, followed by secondary antibody incubation for 40 min at room temperature. Acquisitions of 20,000 events were performed. Cells stained with primary antibody (green), and isotype control (orange).

**— SELECTED CITATIONS —**

- **[IF=7.713]** Mukohda M et al. Increased Blood Pressure Causes Lymphatic Endothelial Dysfunction via Oxidative Stress in Spontaneously Hypertensive Rats. Hypertension. 2020 Aug;76(2):598-606. WB ;Rat. 32536276
- **[IF=4.571]** Chunming Xu. et al. Vitamin B ameliorates PM2.5-induced kidney damage by reducing endoplasmic reticulum stress and oxidative stress in pregnant mice and HK-2. TOXICOLOGY. 2023 May;:153568 WB ;Mouse,Human. 37263574