

bsm-52603R**[Primary Antibody]****BioSS**
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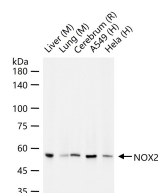
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NOX2 Recombinant Rabbit mAb**— DATASHEET —**

Host: Rabbit	Isotype: IgG	Applications: WB (1:500-2000) Reactivity: Human, Mouse, Rat Predicted MW.: 65 kDa Subcellular Location: Cell membrane
Clonality: Recombinant	CloneNo.: 9B12	
GeneID: 1536	SWISS: P04839	
Target: NOX2		
Immunogen: A synthesized peptide derived from human NOX2: 142-204/570.		
Purification: affinity purified by Protein A		
Concentration: 1mg/ml		
Storage: 0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol. Store at -20°C for one year. Avoid repeated freeze/thaw cycles. The lyophilized antibody is stable at room temperature for at least one month and for greater than a year when kept at -20°C. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4°C.		
Background: NOX2/gp91phox is a critical component of the membrane-bound oxidase of phagocytes that generates superoxide. It is the terminal component of a respiratory chain that transfers single electrons from cytoplasmic NADPH across the plasma membrane to molecular oxygen on the exterior. It also functions as a voltage-gated proton channel that mediates the H(+) currents of resting phagocytes. It participates in the regulation of cellular pH and is blocked by zinc. Defects in CYBB are a cause of X-linked chronic granulomatous disease (X-CGD). X-CGD is characterized by the failure of activated phagocytes to generate superoxide. Patients suffer from life-threatening bacterial/fungal infections.		

— VALIDATION IMAGES —

25 ug total protein per lane of various lysates (see on figure) probed with NOX2 monoclonal antibody, unconjugated (bsm-52603R) at 1:2000 dilution and 4°C overnight incubation. Followed by conjugated secondary antibody incubation at r.t. for 60 min.