

**bsm-52830R****[ Primary Antibody ]****BioSS**  
ANTIBODIES

www.bioss.com.cn

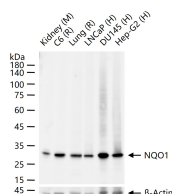
sales@bioss.com.cn

techsupport@bioss.com.cn

400-901-9800

**NQO1 Recombinant Rabbit mAb****— DATASHEET —**

<b>Host:</b> Rabbit	<b>Isotype:</b> IgG	<b>Applications:</b> WB (1:500-2000) <b>Flow-Cyt</b> (1:50-100) <b>ICC/IF</b> (1:50-200)  <b>Reactivity:</b> Human, Mouse, Rat  <b>Predicted MW.:</b> 31 kDa  <b>Subcellular Location:</b> Cytoplasm
<b>Clonality:</b> Recombinant	<b>CloneNo.:</b> 8T5	
<b>GeneID:</b> 1728	<b>SWISS:</b> P15559	
<b>Target:</b> NQO1		
<b>Immunogen:</b> A synthesized peptide derived from human NQO1: 1-46/274.		
<b>Purification:</b> affinity purified by Protein A		
<b>Concentration:</b> 1mg/ml		
<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>Background:</b> This gene is a member of the NAD(P)H dehydrogenase (quinone) family and encodes a cytoplasmic 2-electron reductase. This FAD-binding protein forms homodimers and reduces quinones to hydroquinones. This protein's enzymatic activity prevents the one electron reduction of quinones that results in the production of radical species. Mutations in this gene have been associated with tardive dyskinesia (TD), an increased risk of hematotoxicity after exposure to benzene, and susceptibility to various forms of cancer. Altered expression of this protein has been seen in many tumors and is also associated with Alzheimer's disease (AD). Alternate transcriptional splice variants, encoding different isoforms, have been characterized. [provided by RefSeq].		

**— VALIDATION IMAGES —**

25 ug total protein per lane of various lysates (see on figure) probed with NQO1 monoclonal antibody, unconjugated (bsm-52830R) at 1:2000 dilution and 4°C overnight incubation. Followed by conjugated secondary antibody incubation at r.t. for 60 min.

**— SELECTED CITATIONS —**

- **[IF=17.1]** Lei Liu. et al. Myricetin Oligomer Triggers Multi-Receptor Mediated Penetration and Autophagic Restoration of Blood-Brain Barrier for Ischemic Stroke Treatment. ACS NANO. 2024;XXXX(XXX):XXX-XXX WB ;Rat. 38533773
- **[IF=6]** Yong Yang. et al. Effect of Trichinella spiralis-Derived Antigens on Nonalcoholic Fatty Liver Disease Induced by High-Fat Diet in Mice. ACS PHARMACOL TRANSL. 2024;XXXX(XXX):XXX-XXX WB ;Mouse. 10.1021/acspsci.3c00276
- **[IF=1.789]** Zeba Farooqui . et al. Nrf2 inhibition induces oxidative stress, renal inflammation and hypertension in mice. Clin Exp Hypertens. 2021;43(2):175-180 WB ;Mouse. 33070655