

## NOX4 / NADPH Oxidase 4 Antibody

Mouse Monoclonal Antibody [Clone NOX4/1245]

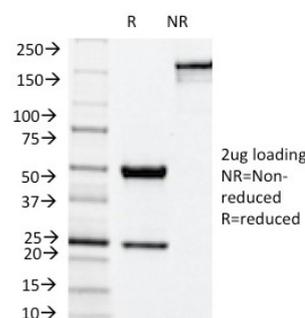
Catalog No	Format	Size
50507-MSM1-P0	Purified Ab with BSA and Azide at 200ug/ml	20 ug
50507-MSM1-P1	Purified Ab with BSA and Azide at 200ug/ml	100 ug
50507-MSM1-P1ABX	Purified Ab WITHOUT BSA and Azide at 1.0mg/ml	100 ug

Applications	Tested Dillution	Note
Western Blot (WB)	2-4ug/ml	

Product Details	
<b>Clone</b>	NOX4/1245
<b>Gene Name</b>	NOX4
<b>Immunogen</b>	Recombinant human NOX4 protein
<b>Host</b>	Mouse
<b>Clonality</b>	Monoclonal
<b>Isotype / Light Chain</b>	IgG2b / Kappa
<b>Mol. Weight of Antigen</b>	70kDa
<b>Cellular Localization</b>	Cell junction, Cell membrane, Endoplasmic reticulum membrane, Focal adhesion, Nucleolus, Nucleus
<b>Species Reactivity</b>	Human
<b>Positive Control</b>	JAR cells. Kidney., PC-12

\*Optimal dilution for a specific application should be determined.

### Product Images for NOX4 / NADPH Oxidase 4 Antibody



SDS-PAGE Analysis of Purified NOX4 Mouse Monoclonal Antibody (NOX4/1245).  
Confirmation of Integrity and Purity of Antibody

### Specificity & Comments

The superoxide-generating NADPH oxidase includes a membrane-bound flavocytochrome containing two subunits, gp91-phox and p22-phox, and the cytosolic proteins p47-phox and p67-phox. During activation of the NADPH oxidase, p47-phox and p67-phox migrate to the plasma membrane where they associate with the flavocytochrome, cytochrome b558, to form the active enzyme complex. The p22 and gp91-phox subunits also function as surface O<sub>2</sub> sensors that initiate cellular signaling in response to hypoxic conditions. NOX4 is a renal gp91-phox homolog highly expressed at the site of erythropoietin production in the proximal convoluted tubule epithelial cells of the renal cortex. It is also expressed in fetal tissues, placenta, glioblastoma and vascular cells.

### Limitations and Warranty

This antibody is available for research use only and is not approved for use in diagnosis. There are no warranties, expressed or implied, which extend beyond this description. Company is not liable for any personal injury or economic loss resulting from this product.

### Supplied As

200ug/ml of Ab Purified from Bioreactor Concentrate by Protein A/G. Prepared in 10mM PBS with 0.05% BSA & 0.05% azide. Also available WITHOUT BSA & azide at 1.0mg/ml.

### Storage and Stability

Antibody with azide - store at 2 to 8°C. Antibody without azide - store at -20 to -80°C. Antibody is stable for 24 months. Non-hazardous. No MSDS required.

### Research Areas

BBB VCAM-1 Signaling, Cardiovascular, Hypoxia, Infectious Disease