Anti-NADPH Oxidase 4 Antibody [NOX4/1245] (A249554)

Specifications:

Name:	Anti-NADPH Oxidase 4 Antibody [NOX4/1245]
Description:	Mouse monoclonal [NOX4/1245] antibody to NADPH Oxidase 4.
Specificity:	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 O2 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.
Applications:	ELISA
Recommended Dilutions:	WB: 1-2 µg/ml
Reactivity:	Human
Immunogen:	Recombinant human NOX4 protein.
Host:	Mouse
Clonality:	Monoclonal
Clone ID:	NOX4/1245
Isotype:	IgG2b
Light Chains:	kappa
Conjugate:	Unconjugated
Purification:	Protein A/G chromatography.
Concentration:	200 µg/ml
Product Form:	Liquid
Formulation:	Supplied in 10mM Phosphate Buffered Saline with 0.05% BSA and 0.05% Sodium Azide.
Storage:	Shipped at 4°C. Upon delivery aliquot and store at -20°C. Avoid freeze / thaw cycles.
General Notes:	This monoclonal antibody is also available in a different formulation without BSA and Sodium Azide - Anti-NADPH Oxidase 4 Antibody [NOX4/1245] - BSA and Azide free (A252734).

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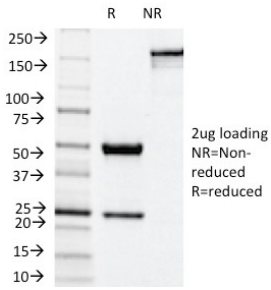
Specifications continued:

Disclaimer:	This product is for research use only. It is not intended for diagnostic or therapeutic use.

Images:



SDS-PAGE analysis of Anti-NADPH Oxidase 4 Antibody [NOX4/1245] under non-reduced and reduced conditions; showing intact IgG and intact heavy and light chains, respectively. SDS-PAGE analysis confirms the integrity and purity of the antibody.