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36-2891: Anti-NOX4 / NADPH Oxidase 4 Monoclonal Antibody(Clone: NOX4/1245)

Clonality :	Monoclonal
Clone Name :	NOX4/1245
Application :	ELISAWB
Reactivity :	Human
Gene :	NOX4
Gene ID :	50507
Uniprot ID :	Q9NPH5
Alternative Name :	Kidney oxidase-1; Kidney superoxide-producing NADPH oxidase; KOX-1; NADPH oxidase 4; Nox4; Renal NAD(P)H-oxidase; RENOX
Isotype :	Mouse IgG2b, kappa
Immunogen Information :	Recombinant human NOX4 protein

Description

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.

Product Info

Amount :	20 µg / 100 µg
Content :	200 µg/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 condition :	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.

Application Note

ELISA (For coating, order Ab without BSA)Western Blot (1-2ug/ml);

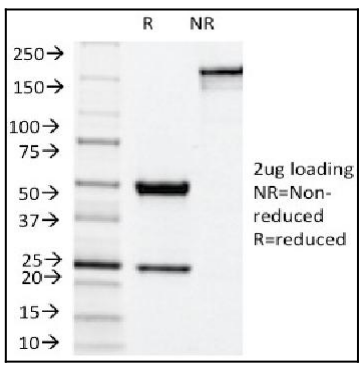


Fig. 1: SDS-PAGE Analysis Purified NOX4 Mouse Monoclonal Antibody (NOX4/1245). Confirmation of Integrity and Purity of Antibody

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