

NADPH Oxidase 4 Antibody

Subcategory: Rabbit Polyclonal Antibody

Cat. No.: 251462

Unit: 0.1 mg

Description:

NOX4 (NADPH oxidase 4) generates superoxide intracellularly upon formation of a complex with CYBA/p22phox. NOX4 regulates signaling cascades probably through phosphatase inhibition. NOX4 functions as an oxygen sensor regulating the KCNK3/TASK-1 potassium channel and HIF1A activity. NOX4 produces superoxide in the nucleus and play a role in regulating gene expression upon cell stimulation.

Isotype: Rabbit Ig

Applications: E, IHC, WB

Species Reactivity: H, M, R

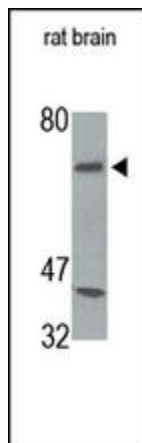
Format: Each vial contains 0.1 mg IgG in 0.1 ml (1 mg/ml) of PBS pH7.4 with 0.09% sodium azide. Antibody was purified by Protein-G affinity chromatography.

Alternate Names: NOX4; NADPH oxidase 4; Kidney superoxide-producing NADPH oxidase; KOX-1; Renal NAD(P)H-oxidase; RENOX

Accession No.: Q9NPH5

Antigen: KLH-conjugated synthetic peptide encompassing a sequence within the N-term region of human NADPH oxidase 4.

Application Notes: E: 1:500-1:1,000; WB: 1:100-1:500; IHC: 1:100-1:500



The NADPH Oxidase 4 Antibody (Cat. No. 251462) is used in Western blot to detect Nox4 (64 kDa) in rat brain tissue lysate. Beta-actin (43 kDa) is used as a control.

Storage: Store at -20°C. Minimize freeze-thaw cycles. Product is guaranteed one year from the date of shipment.

For research use only, not for diagnostic or therapeutic procedures.