

Datasheet for ABIN7178969

anti-NADPH Oxidase 4 antibody (AA 210-424)[Go to Product page](#)**1** Image

Overview

Quantity:	100 µg
Target:	NADPH Oxidase 4 (NOX4)
Binding Specificity:	AA 210-424
Reactivity:	Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This NADPH Oxidase 4 antibody is un-conjugated
Application:	Western Blotting (WB), ELISA

Product Details

Immunogen:	Recombinant Rat NADPH oxidase 4 protein (210-424AA)
Isotype:	IgG
Cross-Reactivity:	Human, Rat
Purification:	>95%, Protein G purified

Target Details

Target:	NADPH Oxidase 4 (NOX4)
Alternative Name:	Nox4 (NOX4 Products)
Background:	Background: Constitutive NADPH oxidase which generates superoxide intracellularly upon formation of a complex with CYBA/p22phox. Regulates signaling cascades probably through

Target Details

phosphatases inhibition. May function as an oxygen sensor regulating the KCNK3/TASK-1 potassium channel and HIF1A activity. May regulate insulin signaling cascade. May play a role in apoptosis, bone resorption and lipopolysaccharide-mediated activation of NFkB.

Aliases: Nox4 antibody, Kox antibody, NADPH oxidase 4 antibody, EC 1.6.3.- antibody, Kidney oxidase-1 antibody, KOX-1 antibody, Kidney superoxide-producing NADPH oxidase antibody

UniProt: [Q924V1](#)

Pathways: [Carbohydrate Homeostasis](#), [Smooth Muscle Cell Migration](#)

Application Details

Application Notes: Recommended dilution: WB:1:500-1:5000,

Restrictions: For Research Use only

Handling

Format: Liquid

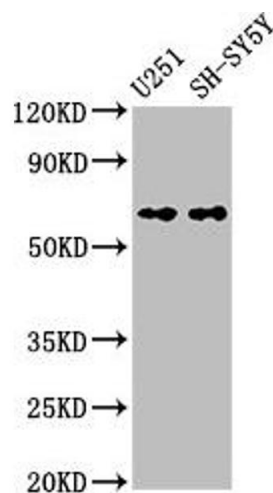
Buffer: Preservative: 0.03 % Proclin 300
Constituents: 50 % Glycerol, 0.01M PBS, PH 7.4

Preservative: ProClin

Precaution of Use: This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Storage: -20 °C,-80 °C

Storage Comment: Upon receipt, store at -20°C or -80°C. Avoid repeated freeze.



Western Blotting

Image 1. Western Blot Positive WB detected in: U251 whole cell lysate, SH-SY5Y whole cell lysate All lanes: Nox4 antibody at 3.3 µg/mL Secondary Goat polyclonal to rabbit IgG at 1/50000 dilution Predicted band size: 67 kDa Observed band size: 67 kDa