

Datasheet for ABIN5007263

## anti-NADPH Oxidase 4 antibody (AA 201-300) (AbBy Fluor® 750)



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### Overview

Quantity:	100 µL
Target:	NADPH Oxidase 4 (NOX4)
Binding Specificity:	AA 201-300
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This NADPH Oxidase 4 antibody is conjugated to AbBy Fluor® 750
Application:	Western Blotting (WB), Flow Cytometry (FACS)

### Product Details

Immunogen:	KLH conjugated synthetic peptide derived from human NOX4
Isotype:	IgG
Cross-Reactivity:	Human
Purification:	Purified by Protein A.

### Target Details

Target:	NADPH Oxidase 4 (NOX4)
Alternative Name:	NADPH oxidase 4 ( <a href="#">NOX4 Products</a> )
Background:	Synonyms: Kidney oxidase-1, Kidney superoxide-producing NADPH oxidase, KOX 1, KOX, Kox-1, NADPH, NADPH oxidase 4, Nox4, NOX4_HUMAN, Renal NADPH-oxidase, RENOX.

## Target Details

Background: 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. Nox4 is also expressed in fetal tissues, placenta, glioblastoma and vascular cells. Like gp91-phox, the enzymatic activity of Nox4 produces superoxide anions. In vascular cells, the addition of angiotensin II increases Nox4 expression, which suggests a role for Nox-4 in vascular oxidative stress response.

Gene ID:	50507
UniProt:	<a href="#">Q9NPH5</a>
Pathways:	<a href="#">Carbohydrate Homeostasis</a> , <a href="#">Smooth Muscle Cell Migration</a>

## Application Details

Application Notes:	FCM 1:20-100
Restrictions:	For Research Use only

## Handling

Format:	Liquid
Concentration:	1 µg/µL
Buffer:	Aqueous buffered solution containing 0.01M TBS ( pH 7.4) with 1 % BSA, 0.03 % Proclin300 and 50 % Glycerol.
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
Storage Comment:	Store at -20°C. Aliquot into multiple vials to avoid repeated freeze-thaw cycles.
Expiry Date:	12 months