

Datasheet for ABIN5007261

anti-NADPH Oxidase 4 antibody (AA 81-180) (AbBy Fluor® 750)



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Overview

Quantity:	100 µL
Target:	NADPH Oxidase 4 (NOX4)
Binding Specificity:	AA 81-180
Reactivity:	Human, Rat, Mouse
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This NADPH Oxidase 4 antibody is conjugated to AbBy Fluor® 750
Application:	Western Blotting (WB), Flow Cytometry (FACS), Immunofluorescence (Cultured Cells) (IF (cc)), Immunofluorescence (Paraffin-embedded Sections) (IF (p))

Product Details

Immunogen:	KLH conjugated synthetic peptide derived from mouse Nox-4
Isotype:	IgG
Cross-Reactivity:	Human, Mouse, Rat
Predicted Reactivity:	Dog,Cow,Horse
Purification:	Purified by Protein A.

Target Details

Target:	NADPH Oxidase 4 (NOX4)
Alternative Name:	NADPH oxidase 4 (NOX4 Products)

Target Details

Background:	<p>Synonyms: AI64821, NADPH oxidase 4, Kidney oxidase-1, KOX-1, Kidney superoxide-producing NADPH oxidase, Renal NAD(P)H-oxidase, Superoxide-generating NADPH oxidase 4, Nox4, Renox</p> <p>Background: Constitutive NADPH oxidase which generates superoxide intracellularly upon formation of a complex with CYBA/p22phox. Regulates signaling cascades probably through 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.</p>
Gene ID:	50490
UniProt:	Q9JHI8
Pathways:	Carbohydrate Homeostasis , Smooth Muscle Cell Migration

Application Details

Application Notes:	<p>FCM 1:20-100</p> <p>IF(IHC-P) 1:50-200</p> <p>IF(IHC-F) 1:50-200</p> <p>IF(ICC) 1:50-200</p>
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