

Datasheet for ABIN540366

anti-NADPH Oxidase 4 antibody (AA 100-200)[Go to Product page](#)**1** Image**2** Publications

Overview

Quantity:	100 µL
Target:	NADPH Oxidase 4 (NOX4)
Binding Specificity:	AA 100-200
Reactivity:	Human, Rat, Mouse, Cow, Sheep, Monkey, Primate
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This NADPH Oxidase 4 antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (IHC), Immunofluorescence (IF), Immunocytochemistry (ICC), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p))

Product Details

Purpose:	Rabbit polyclonal antibody raised against synthetic peptide of NOX4.
Immunogen:	A synthetic peptide corresponding to amino acids 100-200 of human NOX4.
Cross-Reactivity:	Cow, Human, Monkey, Mouse, Primate, Rat, Sheep

Target Details

Target:	NADPH Oxidase 4 (NOX4)
Alternative Name:	NOX4 (NOX4 Products)
Gene ID:	50507
Pathways:	Carbohydrate Homeostasis , Smooth Muscle Cell Migration

Application Details

Application Notes:	Immunocytochemistry (1:50-1:200) Immunofluorescence (1:50-1:200) Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) (5 µg/mL) Western Blot (2 µg/mL) The optimal working dilution should be determined by the end user.
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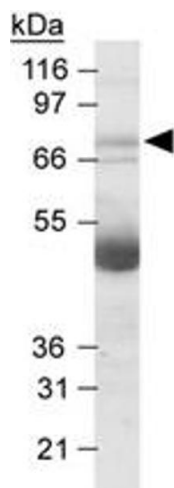
Restrictions:	For Research Use only
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Handling

Format:	Liquid
Buffer:	In Tris-citrate/phosphate buffer, pH 7.0-8.0 (0.09 % sodium azide)
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	4 °C
Storage Comment:	Store at 4°C. Do not freeze.

Publications

Product cited in:	Kim, Park, Park: "Increased superoxide formation induced by irradiation preconditioning triggers kidney resistance to ischemia-reperfusion injury in mice." in: American journal of physiology. Renal physiology , Vol. 296, Issue 5, pp. F1202-11, (2009) (PubMed). Maranchie, Zhan: "Nox4 is critical for hypoxia-inducible factor 2-alpha transcriptional activity in von Hippel-Lindau-deficient renal cell carcinoma." in: Cancer research , Vol. 65, Issue 20, pp. 9190-3, (2005) (PubMed).
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Western Blotting

Image 1. Western blot analysis of NOX4 in human kidney lysates with NOX4 polyclonal antibody at 2.0 ug/mL . A non-specific band is often observed running at 50 kDa in tissue lysates which is believed to correspond to the human IgG heavy chain.