antibodies

Datasheet for ABIN5542344 anti-NADPH Oxidase 4 antibody (AA 210-310)





Overview

Quantity:	0.1 mg
Target:	NADPH Oxidase 4 (NOX4)
Binding Specificity:	AA 210-310
Reactivity:	Human
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This NADPH Oxidase 4 antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Immunohistochemistry (IHC), Flow Cytometry (FACS), Immunocytochemistry (ICC)

Product Details

Immunogen:	Purified recombinant fragment of human NOX4 (AA: 210-310) expressed in E. coli.
Clone:	3H2G11
lsotype:	lgG1
Purification:	purified
Target Details	

Target:	NADPH Oxidase 4 (NOX4)
Alternative Name:	NOX4 (NOX4 Products)
Background:	Description: This gene encodes a member of the NOX-family of enzymes that functions as the

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Target Details

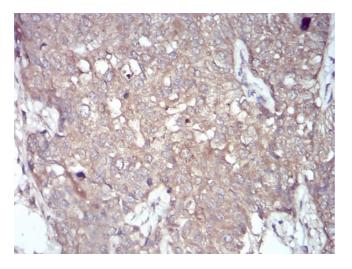
	catalytic subunit the NADPH oxidase complex. The encoded protein is localized to non-
	phagocytic cells where it acts as an oxygen sensor and catalyzes the reduction of molecular
	oxygen to various reactive oxygen species (ROS). The ROS generated by this protein have been
	implicated in numerous biological functions including signal transduction, cell differentiation
	and tumor cell growth. A pseudogene has been identified on the other arm of chromosome 11.
	Alternative splicing results in multiple transcript variants.,
	Aliases: KOX, KOX-1, RENOX
Molecular Weight:	67 kDa
Gene ID:	50507
HGNC:	50507
Pathways:	Carbohydrate Homeostasis, Smooth Muscle Cell Migration

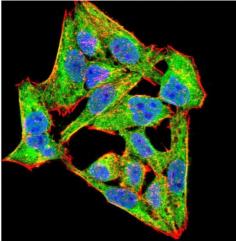
Application Details

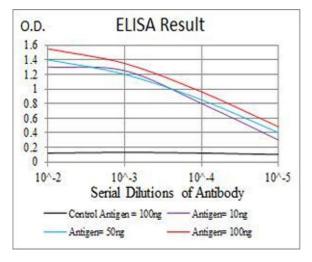
Application Notes:	ELISA: 1:10000, WB: 1:500 - 1:2000, IHC: 1:200 - 1:1000, ICC: 1:200 - 1:1000, FCM: 1:200 - 1:400
Restrictions:	For Research Use only

Handling

Format:	Liquid
Buffer:	Purified antibody in PBS with 0.05 % 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/-20 °C
Storage Comment:	4°C, -20°C for long term storage







Immunohistochemistry

Image 1. Immunohistochemical analysis of paraffinembedded bladder cancer tissues using NOX4 mouse mAb with DAB staining.

Immunofluorescence

Image 2. Immunofluorescence analysis of Hela cells using NOX4 mouse mAb (green). Blue: DRAQ5 fluorescent DNA dye. Red: Actin filaments have been labeled with Alexa Fluor- 555 phalloidin. Secondary antibody from Fisher (Cat#: 35503)

ELISA

Image 3. Black line: Control Antigen (100 ng), Purple line: Antigen(10 ng), Blue line: Antigen (50 ng), Red line: Antigen (100 ng),

Please check the product details page for more images. Overall 7 images are available for ABIN5542344.

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