

Datasheet for ABIN2855720

anti-NOX1 antibody

6 Images

2 Publications

[Go to Product page](#)

Overview

Quantity:	100 µL
Target:	NOX1
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This NOX1 antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), Immunocytochemistry (ICC), Immunofluorescence (IF)

Product Details

Immunogen:	Recombinant protein encompassing a sequence within the center region of human NOX1. The exact sequence is proprietary.
Isotype:	IgG
Cross-Reactivity:	Human, Mouse, Rat
Characteristics:	Rabbit Polyclonal antibody to NOX1 (NADPH oxidase 1) NOX1 antibody
Purification:	Purified by antigen-affinity chromatography.

Target Details

Target:	NOX1
Alternative Name:	NADPH oxidase 1 (NOX1 Products)

Target Details

Background:	<p>Voltage-gated proton (hydrogen) channels play an important role in cellular defense against acidic stress. They are unique among ion channels with respect to their extremely high selectivity, marked temperature dependence, and unitary conductance, which is 3 orders of magnitude lower than that of most other ion channels. NOX1 is a homolog of the catalytic subunit of the superoxide-generating NADPH oxidase of phagocytes, gp91phox. Two transcript variants encoding different isoforms have been found for this gene.</p> <p>Cellular Localization: Membrane, Multi-pass membrane protein</p>
Molecular Weight:	65 kDa
Gene ID:	27035
UniProt:	Q9Y5S8
Pathways:	Regulation of Systemic Arterial Blood Pressure by Hormones , Proton Transport

Application Details

Application Notes:	WB: 1:500-1:3000. ICC/IF: 1:100-1:1000. IHC-P: 1:100-1:1000. Optimal dilutions/concentrations should be determined by the researcher. Not tested in other applications.
Comment:	Positive Control: JC , BCL-1 , 293T , A431 , HeLa Validation: Orthogonal
Restrictions:	For Research Use only

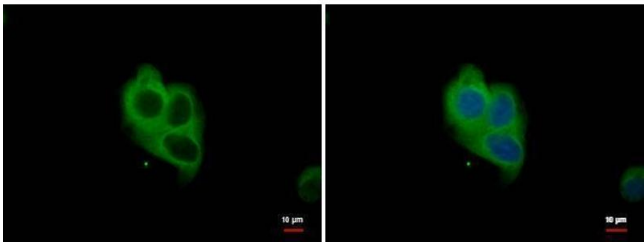
Handling

Format:	Liquid
Concentration:	1.19 mg/mL
Buffer:	1XPBS pH 7, 20 % Glycerol, 0.025 % ProClin 300
Preservative:	ProClin
Precaution of Use:	This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	4 °C, -20 °C
Storage Comment:	Store as concentrated solution. Centrifuge briefly prior to opening vial. For short-term storage (1-2 weeks), store at 4°C. For long-term storage, aliquot and store at -20°C or below. Avoid multiple freeze-thaw cycles.

Publications

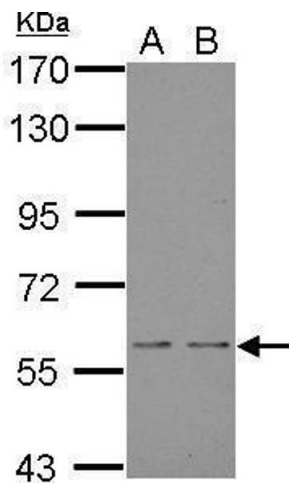
Product cited in: Chao, Wroblewski, Ilkayeva, Stevens, Bain, Meyer, Schenk, Martinez, Vergnes, Narkar, Drew, Hong, Boyadjian, Hevener, Evans, Reue, Spencer, Newgard, Tontonoz: "Skeletal muscle Nur77 expression enhances oxidative metabolism and substrate utilization." in: **Journal of lipid research**, Vol. 53, Issue 12, pp. 2610-9, (2012) ([PubMed](#)).

Images



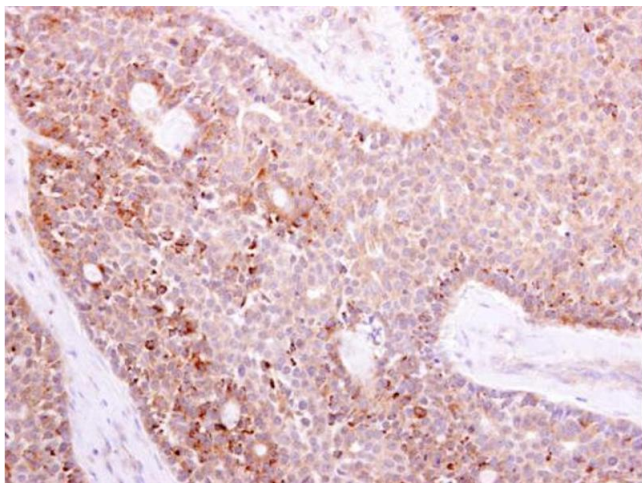
Immunofluorescence

Image 1. ICC/IF Image NOX1 antibody detects NOX1 protein at cytoplasm by immunofluorescent analysis. Sample: HepG2 cells were fixed in 4% paraformaldehyde at RT for 15 min. Green: NOX1 protein stained by NOX1 antibody , diluted at 1:500. Blue: Hoechst 33342 staining.



Western Blotting

Image 2. WB Image Sample (30 ug of whole cell lysate) A: JC B: BCL-1 7.5% SDS PAGE antibody diluted at 1:5000



Immunohistochemistry

Image 3. IHC-P Image NOX1 antibody detects NOX1 protein at cytoplasm on human lung carcinoma by immunohistochemical analysis. Sample: Paraffin-embedded human lung carcinoma. NOX1 antibody , diluted at 1:500.

Please check the [product details page](#) for more images. Overall 6 images are available for ABIN2855720.