

Datasheet for ABIN6144754
anti-NOX5 antibody (AA 661-765)[Go to Product page](#)

4 Images

Overview

Quantity:	100 µL
Target:	NOX5
Binding Specificity:	AA 661-765
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This NOX5 antibody is un-conjugated
Application:	Western Blotting (WB), Immunofluorescence (IF)

Product Details

Immunogen:	Recombinant fusion protein containing a sequence corresponding to amino acids 661-765 of human NOX5 (NP_078781.3).
Sequence:	AEEAQYGRFL ELHMYMTSAL GKNDMKAIGL QMALDLLANK EKKDSITGLQ TRTQPGRPDW SKVFQKVAEE KKGKVQVFFC GSPALAKVLK GHCEKFGFRF FQENF
Isotype:	IgG
Cross-Reactivity:	Human
Characteristics:	Polyclonal Antibodies

Target Details

Target:	NOX5
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Target Details

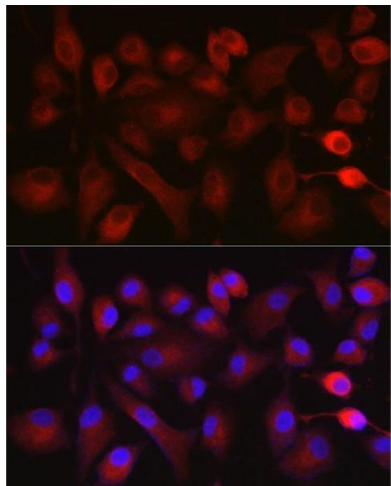
Alternative Name:	NOX5 (NOX5 Products)
Background:	This gene is predominantly expressed in the testis and lymphocyte-rich areas of spleen and lymph nodes. It encodes a calcium-dependen NADPH oxidase that generates superoxide, and functions as a calcium-dependent proton channel that may regulate redox-dependent processes in lymphocytes and spermatozoa. Alternatively spliced transcript variants encoding different isoforms have been described for this gene.,NOX5,Signal Transduction,Cell Biology & Developmental Biology,Apoptosis,Cell Cycle,Cell differentiation,Endocrine & Metabolism,NOX5
Molecular Weight:	64 kDa/82 kDa/83 kDa/84 kDa/86 kDa
Gene ID:	79400
UniProt:	Q96PH1
Pathways:	Proton Transport

Application Details

Application Notes:	WB,1:500 - 1:2000,IF,1:50 - 1:200
Comment:	HIGH QUALITY
Restrictions:	For Research Use only

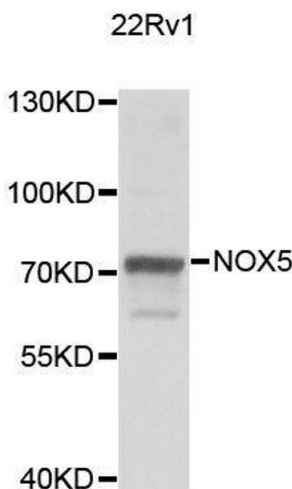
Handling

Format:	Liquid
Buffer:	PBS with 0.02 % sodium azide,50 % glycerol, pH 7.3.
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:	-20 °C
Storage Comment:	Store at -20°C. Avoid freeze / thaw cycles.



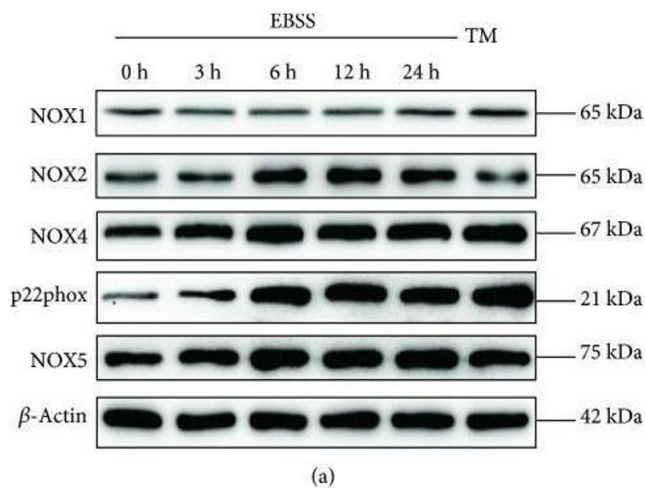
Immunofluorescence

Image 1. Immunofluorescence analysis of A-549 cells using NOX5 Rabbit pAb (ABIN6133125, ABIN6144754, ABIN6144755 and ABIN6222951) at dilution of 1:100 (40x lens). Blue: DAPI for nuclear staining.



Western Blotting

Image 2. Western blot analysis of extracts of 22Rv1 cells, using NOX5 antibody.



Western Blotting

Image 3. Earle's balanced salt solution (EBSS) increases NADPH oxidative activity and ROS generation in ARPE-19 cells in a time-dependent manner. (a-c) A Western blot analysis was carried out to detect the expression levels of NOXs. (d, e) Intracellular ROS was determined by flow cytometry. (f, g) Earle's balanced salt solution (EBSS) increases cytoplasmic calcium in ARPE-19 cells. The intracellular calcium was detected with Fluo-3 AM. TM stands for tunicamycin. The data are presented as the means \pm SEM of three independent experiments. #p < 0.05 and ##p < 0.01 compared to control (0h). - figure provided by CiteAb. Source: PMID30151070

Please check the [product details page](#) for more images. Overall 4 images are available for ABIN6144754.