



Datasheet for ABIN571285  
**anti-NOX5 antibody (Internal Region)**



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2 Images

Overview

Quantity:	100 µg
Target:	NOX5
Binding Specificity:	Internal Region
Reactivity:	Human
Host:	Goat
Clonality:	Polyclonal
Conjugate:	This NOX5 antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Immunofluorescence (IF)

Product Details

Purpose:	NOX5
Immunogen:	C-EWHPFTISSAPEQKD
Sequence:	EWHPFTISSA PEQKD
Isotype:	IgG
Specificity:	This antibody is expected to recognize all reported isoforms (NP_078781.3, NP_001171708.1, NP_001171709.1).
Cross-Reactivity:	Cow, Dog, Human
Purification:	Purified from goat serum by ammonium sulphate precipitation followed by antigen affinity chromatography using the immunizing peptide.
Grade:	Verified

## Target Details

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Target:	NOX5
Alternative Name:	NOX5 ( <a href="#">NOX5 Products</a> )
Background:	NOX5, NADPH oxidase, EF-hand calcium binding domain 5, MGC149776, MGC149777, NADPH oxidase 5, OTTHUMP00000164443, OTTHUMP00000164444
Gene ID:	79400
NCBI Accession:	<a href="#">NP_078781</a> , <a href="#">NP_001171708</a> , <a href="#">NP_001171709</a>
Pathways:	<a href="#">Proton Transport</a>

## Application Details

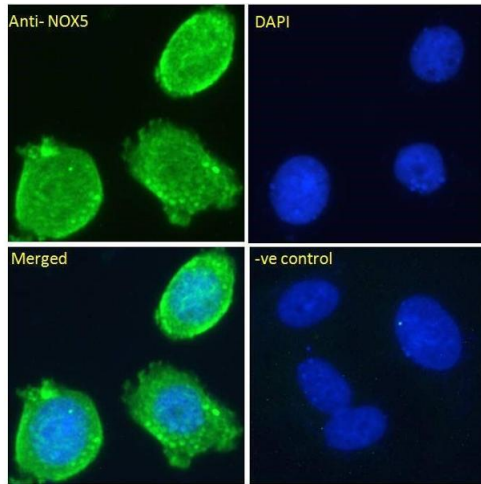
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Application Notes:	Western Blot: Approx 90 kDa band observed in Human Testis lysates (calculated MW of 86.4 kDa according to NP_078781.3). Recommended concentration: 0.5-2 µg/mL. Primary incubation 1 hour at room temperature. Peptide ELISA: antibody detection limit dilution 1:8000.
Comment:	<b>Immunofluorescence:</b> Strong expression of the protein seen in the plasma membrane and cytoplasm of HeLa and MCF7 cells. Recommended concentration:10ug/ml.
Restrictions:	For Research Use only

## Handling

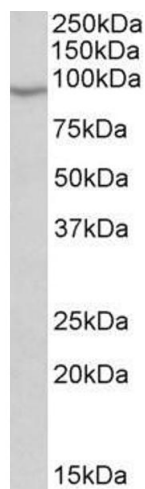
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Format:	Liquid
Concentration:	0.5 mg/mL
Buffer:	Supplied at 0.5 mg/mL in Tris saline, 0.02 % sodium azide, pH 7.3 with 0.5 % bovine serum albumin.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Handling Advice:	Minimize freezing and thawing.
Storage:	-20 °C
Storage Comment:	Aliquot and store at -20°C, with minimal freeze/thawing. A working aliquot may be refrigerated at 4°C for a few weeks and still remain viable.



### Immunofluorescence

**Image 1.** ABIN571285 Immunofluorescence analysis of paraformaldehyde fixed MCF7 cells, permeabilized with 0.15% Triton. Primary incubation 1hr (10ug/ml) followed by Alexa Fluor 488 secondary antibody (2ug/ml), showing staining within the cytoplasm and plasma membrane. The nuclear stain is DAPI (blue). Negative control: Unimmunized goat IgG (10ug/ml) followed by Alexa Fluor 488 secondary antibody (2ug/ml).



### Western Blotting

**Image 2.** ABIN571285 (0.5µg/ml) staining of Human Testis lysate (35µg protein in RIPA buffer). Detected by chemiluminescence.