

Product Datasheet

NOX5 Antibody NBP1-68862

Unit Size: 0.1 mg

Store at -20C. Avoid freeze-thaw cycles.

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NBP1-68862**NOX5 Antibody**

Product Information	
Unit Size	0.1 mg
Concentration	0.5 mg/ml
Storage	Store at -20C. Avoid freeze-thaw cycles.
Clonality	Polyclonal
Preservative	0.02% Sodium Azide
Isotype	IgG
Purity	Immunogen affinity purified
Buffer	Tris saline (20 mM Tris pH 7.3, 150 mM NaCl), 0.5% BSA

Product Description	
Host	Goat
Gene ID	79400
Gene Symbol	NOX5
Species	Human, Mouse
Reactivity Notes	Use in Mouse reported in scientific literature (PMID:32165681).
Specificity/Sensitivity	This antibody is expected to recognize all reported isoforms (NP_078781.3; NP_001171708.1; NP_001171709.1).
Immunogen	Peptide with sequence C-EWHPFTISSAPEQKD corresponding to internal region according to NP_078781.3, NP_001171708.1, NP_001171709.1.

Product Application Details	
Applications	Western Blot, Immunocytochemistry/ Immunofluorescence, Peptide ELISA
Recommended Dilutions	Western Blot 0.5 - 2 ug/ml, Immunocytochemistry/ Immunofluorescence 10 ug/ml, Peptide ELISA Detection limit 1:8000
Application Notes	WB: Approx. 90 kDa band observed in human testis lysates (calculated MW of 86.4 kDa band according to NP_078781.3).



Images

Western Blot: NOX5 Antibody [NBP1-68862] - NBP1-68862 (0.5ug/ml) staining of Human Testis lysate (35ug protein in RIPA buffer). Primary incubation was 1 hour. Detected by chemiluminescence.

250kDa
150kDa
100kDa

75kDa

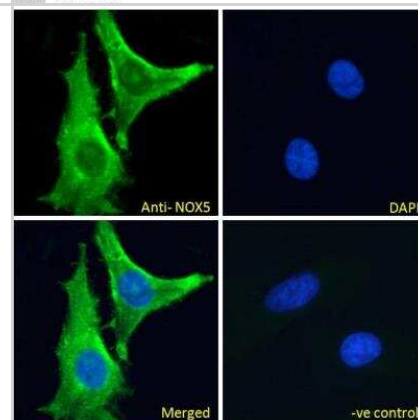
50kDa

37kDa

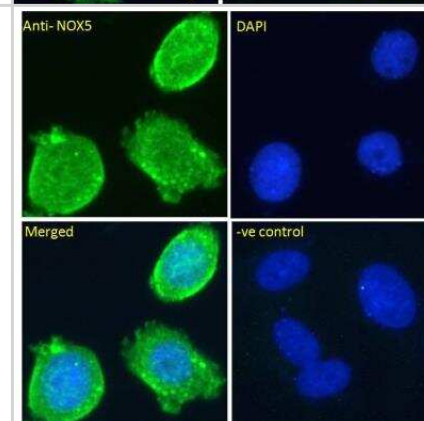
25kDa
20kDa

15kDa

Immunocytochemistry/Immunofluorescence: NOX5 Antibody [NBP1-68862] - Analysis of paraformaldehyde fixed HeLa 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).



Immunocytochemistry/Immunofluorescence: NOX5 Antibody [NBP1-68862] - 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).



Publications

Jha JC, Dai A, Garzarella J et al. Independent of Renox, NOX5 Promotes Renal Inflammation and Fibrosis in Diabetes by Activating ROS-sensitive Pathways Diabetes 2022-03-11 [PMID: 35275988]

Kim Yr, Kim Js, Gu Sj et Al. Identification of highly potent and selective inhibitor, TIPTP, of the p22phox-Rubicon axis as a therapeutic agent for rheumatoid arthritis Sci Rep 2020-03-12 [PMID: 32165681] (WB, IF, Mouse)

Choi H, Kim S, Kim HJ et al. Sphingosylphosphorylcholine down-regulates filaggrin gene transcription through NOX5-based NADPH oxidase and cyclooxygenase-2 in human keratinocytes. Biochem Pharmacol 2010-07-01 [PMID: 20230798]



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Products Related to NBP1-68862

HAF017	Rabbit anti-Goat IgG Secondary Antibody [HRP (Horseradish Peroxidase)]
HAF109	Donkey anti-Goat IgG Secondary Antibody [HRP (Horseradish Peroxidase)]
NB410-28088-1mg	Goat IgG Isotype Control
NBP2-76749	Human NOX5 ELISA Kit (Colorimetric)

Limitations

This product is for research use only and is not approved for use in humans or in clinical diagnosis. Primary Antibodies are guaranteed for 1 year from date of receipt.

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