

# Product Datasheet

## NOXO1 Antibody NB300-950

Unit Size: 0.1 mg

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

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### Publications: 4

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**NB300-950**

## NOXO1 Antibody

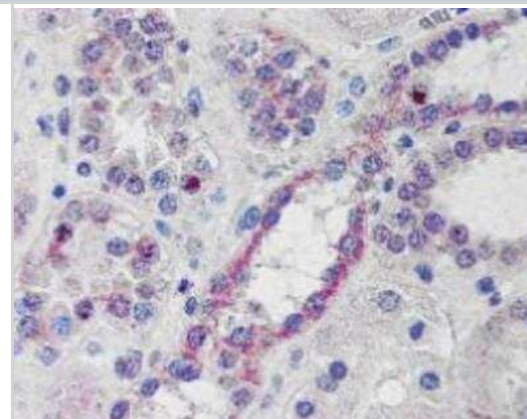
Product Information	
Unit Size	0.1 mg
Concentration	0.5 mg/ml
Storage	Store at -20C. Avoid freeze-thaw cycles.
Clonality	Polyclonal
Preservative	0.02% Sodium Azide
Isotype	IgG
Purity	Immunogen affinity purified
Buffer	Tris saline (20 mM Tris pH 7.3, 150 mM NaCl), 0.5% BSA

Product Description	
Description	Novus Biologicals Goat NOXO1 Antibody (NB300-950) is a polyclonal antibody validated for use in IHC, WB and ELISA. Anti-NOXO1 Antibody: Cited in 4 publications. All Novus Biologicals antibodies are covered by our 100% guarantee.
Host	Goat
Gene ID	124056
Gene Symbol	NOXO1
Species	Human, Mouse
Reactivity Notes	Mouse reactivity reported in scientific literature (PMID: 28824611).
Specificity/Sensitivity	This antibody is expected to recognise all three reported isoforms (as represented by NP_653204.1, NP_751907.1 and NP_751908.1).
Immunogen	Peptide with sequence RGCVDSVPHPTTEQ corresponding to C-Terminus according to NP_653204.1, NP_751907.1, NP_751907.1.

Product Application Details	
Applications	Western Blot, Immunohistochemistry-Paraffin, Immunohistochemistry, Peptide ELISA
Recommended Dilutions	Western Blot 1:100 - 1:2000, Immunohistochemistry 10 - 20 ug/ml, Immunohistochemistry-Paraffin 1:10 - 1:500, Peptide ELISA Detection limit 1:16000
Application Notes	WB: Preliminary experiments gave no signal but low background in Hela and human heart lysates at up to 1 ug/ml. IHC-P: Human kidney cortex shows cytoplasmic stain in epithelial cells of some PCT.

## Images

Immunohistochemistry-Paraffin: NOXO1 Antibody [NB300-950] - IHC analysis of NOXO1 in formalin-fixed, paraffin-embedded human kidney using this antibody at 10 ug/ml. Steamed antigen retrieval with citrate buffer pH 6, AP-staining.



## Publications

Radbruch H, Mothes R, Bremer D et al. Analyzing Nicotinamide Adenine Dinucleotide Phosphate Oxidase Activation in Aging and Vascular Amyloid Pathology *Front Immunol* 2017-08-21 [PMID: 28824611] (IF/IHC, Mouse)

Banfi B, Clark RA, Steger K, Krause KH. Two novel proteins activate superoxide generation by the NADPH oxidase NOX1. *J Biol Chem* 2003-02-07 [PMID: 12473664]

Wu S, Gao J, Ohlemeyer C et al. Activation of AP-1 through reactive oxygen species by angiotensin II in rat cardiomyocytes. *Free Radic Biol Med*. 2005-12-15 [PMID: 16298685]

Chung YW, Kim HK, Kim IY et al. Dual function of protein kinase C (PKC) in 12-O-tetradecanoylphorbol-13-acetate (TPA)-induced manganese superoxide dismutase (MnSOD) expression: activation of CREB and FOXO3a by PKC-alpha phosphorylation and by PKC-mediated inactivation of Akt, respectively. *J Biol Chem*. 2011-08-26 [PMID: 21705328] (WB)

### Details:

NOXO1 (IMG-3062). WB: A549 cell line treated with NOXO1 siRNA, Fig 1E. Note: NOXO1 antibody was siRNA validated by WB in A549 cell line, Fig 1E.



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### Products Related to NB300-950

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NBL1-13735	NOXO1 Overexpression Lysate
NBP2-33376H	Blue Marker Antibody (6F4-F6) [HRP]
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

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### 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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