

# Product Datasheet

## NOXO1 Antibody - BSA Free

### NBP1-77899

Unit Size: 0.1 mg

Store at -20C short term. Aliquot and store at -80C long term. Avoid freeze-thaw cycles.

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**NBP1-77899**

NOXO1 Antibody - BSA Free

Product Information	
<b>Unit Size</b>	0.1 mg
<b>Concentration</b>	Please see the vial label for concentration. If unlisted please contact technical services.
<b>Storage</b>	Store at -20C short term. Aliquot and store at -80C long term. Avoid freeze-thaw cycles.
<b>Clonality</b>	Polyclonal
<b>Preservative</b>	0.01% Sodium Azide
<b>Isotype</b>	IgG
<b>Purity</b>	Immunogen affinity purified
<b>Buffer</b>	0.02 M Potassium Phosphate, 0.15 M Sodium Chloride, pH 7.2

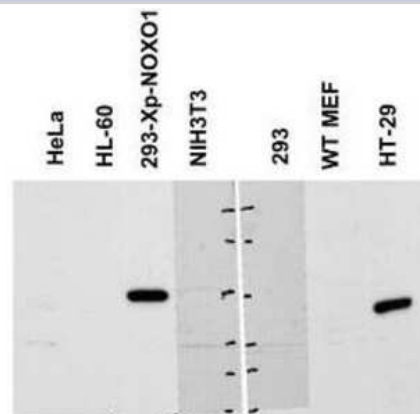
Product Description	
<b>Description</b>	<p>The product was affinity purified from monospecific antiserum by immunoaffinity purification</p> <p>Store vial at -20C prior to opening. Aliquot contents and freeze at -20C or below for extended storage. Avoid cycles of freezing and thawing. Centrifuge product if not completely clear after standing at room temperature. This product is stable for several weeks at 4C as an undiluted liquid. Dilute only prior to immediate use.</p>
<b>Host</b>	Rabbit
<b>Gene ID</b>	124056
<b>Gene Symbol</b>	NOXO1
<b>Species</b>	Human
<b>Reactivity Notes</b>	A BLAST analysis was used to suggest cross reactivity with NOXO1 protein from human and chimpanzee (100% homology). Expect reactivity with alpha, delta and gamma isoforms of NOXO1. Also expect partial reactivity against NOXO1 homologues from dog and guinea pig (87%), as well as rat (75%) and mouse (68%). Reactivity against homologues from other sources is not known.
<b>Specificity/Sensitivity</b>	Anti-NOXO-1 antibody is directed against human NOXO1 protein. A BLAST analysis was used to suggest cross reactivity with NOXO1 protein from human and chimpanzee (100% homology). Expect reactivity with alpha, delta and gamma isoforms of NOXO1. Also expect partial reactivity against NOXO1 homologues from dog and guinea pig (87%), as well as rat (75%) and mouse (68%). Reactivity against homologues from other sources is not known.
<b>Immunogen</b>	NOXO1 Antibody was prepared from whole rabbit serum produced by repeated immunizations with a synthetic peptide corresponding to amino acids 238-252 of human NOXO1 protein. (Uniprot: Q8NFA2)

Product Application Details	
<b>Applications</b>	Western Blot, Immunohistochemistry-Paraffin, ELISA, Immunohistochemistry
<b>Recommended Dilutions</b>	Western Blot 1:1000-1:10000, ELISA 1:20000-1:100000, Immunohistochemistry 5-10 ug/ml, Immunohistochemistry-Paraffin 1:10-1:500
<b>Application Notes</b>	This product has been tested for use in ELISA, immunohistochemistry and western blot. Specific conditions for reactivity should be optimized by the end user. Expect a band approximately 50 kDa in size corresponding to NOXO1 protein by western blotting in the appropriate cell lysate or extract.

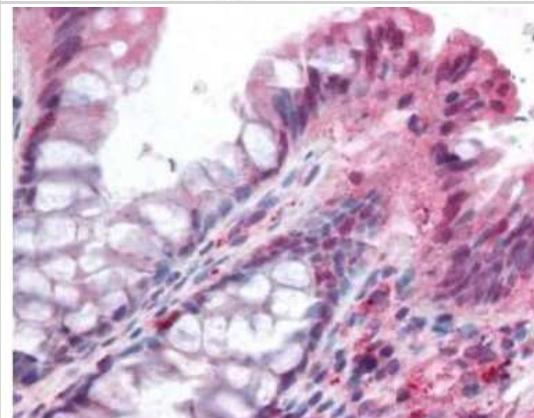


## Images

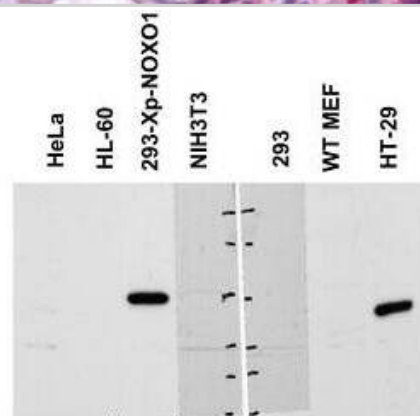
Western Blot: NOXO1 Antibody [NBP1-77899] - NOXO1 antibody shows detection of a band ~50 kDa corresponding to human NOXO1 (arrowhead). Reactivity was observed in transfected human 293 cells and human HT-29 colon carcinoma cells (endogenous). Under these conditions endogenous NOXO1 detection was not observed in HeLa, HL-60, untransfected 293 or WT MEF cells. A 1:1,000 dilution of the primary antibody was used for detection followed by secondary antibody reactivity. Specific band reactivity was competed away when the antibody was pre-incubated with the peptide immunogen (data not shown).



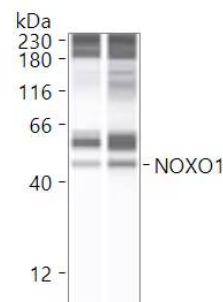
Immunohistochemistry: NOXO1 Antibody [NBP1-77899] - Used at 5 ug/ml to detect signal in a variety of tissues including multi-human, multi-brain and multi-cancer slides. This image shows moderate positive staining of the lamina propria in human colon epithelium and macrophages at 40X. Tissue was formalin-fixed and paraffin embedded. The image shows localization of the antibody as the precipitated red signal, with a hematoxylin purple nuclear counterstain. Personal Communication, Tina Roush, LifeSpanBiosciences, Seattle, WA.



Western blot using Affinity Purified anti-NOXO1 antibody shows detection of a band ~50 kDa corresponding to human NOXO1. Reactivity was observed in transfected human 293 cells and human HT-29 colon carcinoma cells (endogenous). Under these conditions endogenous NOXO1 detection was not observed in HeLa, HL-60, 3T3, untransfected 293 or WT MEF cells. A 1:1,000 dilution of the primary antibody was used for detection followed by secondary antibody reactivity. Specific band reactivity was competed away when the antibody was pre-incubated with the peptide immunogen (data not shown). Personal Communication, Zhenggang Liu, NIH, CCR, Bethesda, MD.



NOXO1 in mouse lungs. The first lane is a control; the second lane is treated. Image from a verified customer review.





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### **Products Related to NBP1-77899**

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HAF008	Goat anti-Rabbit IgG Secondary Antibody [HRP]
NB7160	Goat anti-Rabbit IgG (H+L) Secondary Antibody [HRP]
NBP2-24891	Rabbit IgG Isotype Control
H00124056-Q01-10ug	Recombinant Human NOXO1 GST (N-Term) Protein

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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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