

Datasheet: AHP2050

Description:	RABBIT ANTI HUMAN NOXO1
Specificity:	NOXO1
Format:	Purified
Product Type:	Polyclonal Antibody
Isotype:	Polyclonal IgG
Quantity:	50 µg

Product Details

Applications

This product has been reported to work in the following applications. This information is derived from testing within our laboratories, peer-reviewed publications or personal communications from the originators. Please refer to references indicated for further information. For general protocol recommendations, please visit www.bio-rad-antibodies.com/protocols.

	Yes	No	Not Determined	Suggested Dilution
Flow Cytometry			▪	
Immunohistology - Frozen			▪	
Immunohistology - Paraffin	▪			5 - 10ug/ml
ELISA	▪			1:20000 - 1:100000
Immunoprecipitation			▪	
Western Blotting	▪			1:2000 - 1:8000
Immunofluorescence	▪			
Functional Assays			▪	

Where this product has not been tested for use in a particular technique this does not necessarily exclude its use in such procedures. Suggested working dilutions are given as a guide only. It is recommended that the user titrates the product for use in their own system using appropriate negative/positive controls.

Target Species	Human
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Species Cross Reactivity	Based on sequence similarity, is expected to react with:Chimpanzee N.B. Antibody reactivity and working conditions may vary between species. Cross reactivity is derived from testing within our laboratories, peer-reviewed publications or personal communications from the originators. Please refer to references indicated for further information.
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Product Form	Purified IgG - liquid
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Antiserum Preparation	Antiserum to human NOXO1was raised by repeated immunisation of rabbits with highly purified antigen. Purified IgG was prepared from whole serum by affinity chromatography.
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Buffer Solution	Phosphate buffered saline
Preservative Stabilisers	0.01% Sodium Azide (NaN ₃)
Approx. Protein Concentrations	Total protein concentration 1.0mg/ml
Immunogen	Recombinant Human NOXO1.
External Database Links	<p>UniProt: Q8NFA2 Related reagents</p> <p>Entrez Gene: 124056 NOXO1 Related reagents</p>
Synonyms	P41NOX, SH3PXD5
RRID	AB_2151728
Specificity	<p>Rabbit anti Human NOXO1 antibody recognizes human NADPH oxidase organizer 1, also known as NOXO1, NADPH oxidase regulatory protein, Nox organizer 1, Nox-organizing protein 1 or SH3 and PX domain-containing protein 5. NOXO1 is a 376 amino acid ~48 kDa cell membrane associated protein involved in the superoxide-generating activity of NOX1 and NOX3 and is required for the development of crystalline gravity sensing structures of the inner ear (Lundberg et al. 2015).</p> <p>Multiple isoforms of human NOXO1 generated by alternative splicing have been described. Rabbit anti Human NOXO1 antibody recognizes an epitope within the sequence "SGPQFCASRAYES" representing amino acids 238-252 of isoform 1 of human NOXO1, this sequence is common to all described isoforms of human NOXO1 (UniProt : Q8NFA2).</p>
Immunohistology	This product does not require protein digestion pre-treatment of paraffin sections. This product does not require antigen retrieval using heat treatment prior to staining of paraffin sections.
Histology Positive Control Tissue	Human colon
Storage	<p>This product is shipped at ambient temperature. It is recommended to aliquot and store at -20°C on receipt. When thawed, aliquot the sample as needed. Keep aliquots at 2-8°C for short term use (up to 4 weeks) and store the remaining aliquots at -20°C.</p> <p>Avoid repeated freezing and thawing as this may denature the antibody. Storage in frost-free freezers is not recommended.</p>
Guarantee	12 months from date of despatch

**Health And Safety
Information**

Material Safety Datasheet documentation #10040 available at:
10040: <https://www.bio-rad-antibodies.com/uploads/MSDS/10040.pdf>

Regulatory

For research purposes only

Related Products

Recommended Secondary Antibodies

Sheep Anti Rabbit IgG (STAR34...) [FITC](#)

Sheep Anti Rabbit IgG (STAR54...) [HRP](#)

Recommended Useful Reagents

[HISTAR DETECTION SYSTEM \(STAR3000A\)](#)

[ANTIGEN RETRIEVAL BUFFER, pH8.0 \(BUF025A\)](#)

[100x ANTIGEN RETRIEVAL BUFFER, pH8.0 \(BUF025C\)](#)

North & South Tel: +1 800 265 7376

America Fax: +1 919 878 3751

Email: antibody_sales_us@bio-rad.com

Worldwide

Tel: +44 (0)1865 852 700

Fax: +44 (0)1865 852 739

Email: antibody_sales_uk@bio-rad.com

Europe

Tel: +49 (0) 89 8090 95 21

Fax: +49 (0) 89 8090 95 50

Email: antibody_sales_de@bio-rad.com

To find a batch/lot specific datasheet for this product, please use our online search tool at: [bio-rad-antibodies.com/datasheets](https://www.bio-rad-antibodies.com/datasheets)

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