

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
Species Cross Reactivity	Based on sequence similarity, is expected to react with:Chimpanzee N.B. Antibody reactivity and working conditions may vary between species.
Product Form	Purified IgG - liquid

Antiserum Preparation Antiserum to human NOXO1 was raised by repeated immunisation of rabbits with highly purified antigen. Purified IgG was prepared from whole serum by affinity chromatography.

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	UniProt: Q8NFA2 Related reagents
	Entrez Gene: 124056 NOXO1 Related reagents
Synonyms	P41NOX, SH3PXD5
Specificity	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). 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).
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	Store at +4°C or at -20°C if preferred. Storage in frost-free freezers is not recommended. This product should be stored undiluted. Avoid repeated freezing and thawing as this may denature the antibody. Should this product contain a precipitate we recommend microcentrifugation before use.
Shelf Life	18 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 \(STAR3000A\)](#)

[HISTAR DETECTION SYSTEM \(STAR3000B\)](#)

[HISTAR DETECTION SYSTEM \(STAR3000C\)](#)

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

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

North & South America	Tel: +1 800 265 7376 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 'M279772:160115'	Europe	Tel: +49 (0) 89 8090 95 21 Fax: +49 (0) 89 8090 95 50 Email: antibody_sales_de@bio-rad.com
----------------------------------	---	------------------	---	---------------	---

Printed on 30 Apr 2018

© 2018 Bio-Rad Laboratories Inc | [Legal](#) | [Imprint](#)