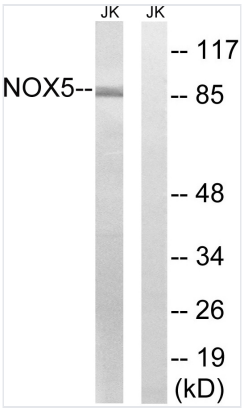
NOX5 Antibody

PRODUCT OVERVIEW

Product Name	NOX5, Antibody
Full Product Name	NOX5 Antibody
Product Gene Name	anti-NOX5 antibody
Product Synonym Names	NADPH oxidase 5
Species Reactivity	Human
Form/Format	In phosphate buffered saline (without Mg2+ and Ca2+), pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Purity/Purification	Affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Specificity	NOX5 antibody detects endogenous levels of total NOX5 protein.
Preparation and Storage	Store at-20 degree C for 1 year.
Molecular Weight	83,109 Da
OMIM	606572
3D Structure	ModBase 3D Structure for Q96PH1
Immunogen	The antiserum was produced against synthesized peptide derived from C-terminal of human NOX5.
Product Categories/Family for anti-NOX5 antibody	Autophagy antibody; Cancer; Cardiovascular; Cell Biology; Epigenetics & Nuclear Signaling; Developmental Biologys; Immunology; Drug Discovery Products; Metabolism; Neuroscience; Signal Transduction; Stem Cells
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Applications Tested/Suitable for anti-NOX5 antibody	Western Blot (WB), ELISA (EIA)
Application Notes for anti-NOX5 antibody	WB: 1:500~1:1000 ELISA: 1:40000
Related Product Information for anti-NOX5 antibody	MBS856080 is an antibody targeting NOX5. Also known as NOX5 Antibody. Reactive in Human.
Product References and Citations for anti-NOX5 antibody	Banfi B., J. Biol. Chem. 276:37594-37601(2001). Jikuya H., Submitted (JAN-2002) to the EMBL/GenBank/DDBJ databases. Kawahara T., J. Biol. Chem. 280:31859-31869(2005).
Other Notes	Small volumes of anti-NOX5 antibody vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.



Western Blot (WB) of anti-NOX5 antibody
Western blot analysis of extracts from Jurkat cells, using NOX5 antibody.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for NOX5. It may not necessarily be applicable to this product.

NCBI GI #	296278227
NCBI GeneID	79400
NCBI Accession #	NP_001171708.1
UniProt Primary Accession #	Q96PH1
UniProt Secondary Accession #	Q08AN2; Q08AN3; Q8TEQ1; Q8TER4; Q96PH2; Q96PJ8; Q96PJ9; Q9H6E0; Q9HAM8; B2RBJ4
UniProt Related Accession #	Q96PH1
GenBank Nucleotide #	NM_001184779.1
NCBI Official Full Name	NADPH oxidase 5 isoform 2
NCBI Official Synonym Full Names	NADPH oxidase 5
NCBI Official Symbol	NOX5
UniProt Protein Name	NADPH oxidase 5
Protein Family	NADPH oxidase
UniProt Gene Name	NOX5
NCBI Protein Information	NADPH oxidase 5
NCBI Summary for NOX5	This gene is predominantly expressed in the testis and lymphocyte-rich areas of spleen and lymph nodes. It encodes a calcium-dependen NADPH oxidase that generates superoxide, and functions as a calcium-dependent proton channel that may regulate redox-dependent processes in lymphocytes and spermatozoa. Alternatively spliced transcript variants encoding different isoforms have been described for this gene. [provided by RefSeq, Oct 2011]
UniProt Comments for NOX5	Calcium-dependent NADPH oxidase that generates superoxide. Also functions as a calcium-dependent proton channel and may regulate redox-dependent processes in lymphocytes and spermatozoa. May play a role in cell growth and apoptosis. Isoform v2 and isoform v5 are involved in endothelial generation of reactive oxygen species (ROS), proliferation and angiogenesis and contribute to endothelial response to thrombin.
Research Articles on NOX5	**1.** The authors conclude that taurodeoxycholic acid-induced DNA damage may depend on the activation of TGR5, CREB and NOX5-S. It is possible that in Barrett's patients bile acids may activate NOX5-S and increase reactive oxygen species (ROS) production via activation of TGR5 and CREB. NOX5-S-derived ROS may cause DNA damage, thereby contributing to the progression from Barrett's esophagus to esophageal adenocarcinoma.

Precautions	All of MyBioSource's Products are for scientific laboratory research purposes and are not for diagnostic, therapeutics, prophylactic or in vivo use. Through your purchase, you expressly represent and warrant to MyBioSource that you will properly test and use any Products purchased from MyBioSource in accordance with industry standards. MyBioSource and its authorized distributors reserve the right to refuse to process any order where we reasonably believe that the intended use will fall outside of our acceptable guidelines.
Disclaimer	While every efforts were made to ensure the accuracy of the information provided in this datasheet, MyBioSource will not be liable for any omissions or errors contained herein. MyBioSource reserves the right to make changes to this datasheet at any time without prior notice. It is the responsibility of the customer to report product performance issues to MyBioSource within 30 days of receipt of the product. Please visit our Terms & Conditions page for more information.
Product Note	Select online data sheet information is drawn from bioinformatics databases, occasionally resulting in ambiguous or non-relevant product information. It is the responsibility of the customer to review, verify, and evaluate the information to make sure it matches their requirements before purchasing the kit. Our ELISA Kit assays are dynamic research tools and sometimes they may be updated and improved. If the format of this assay is important to you then please request the current manual or contact our technical support team with a presales inquiry before placing an order. We will confirm the current details of the assay. We cannot guarantee the sample manual posted online is the most current manual, it is intended to serve as an example only. Please refer to the instructions For Use provided with the assay kit for precise details.

For Research Use Only. Not for use in diagnostic or therapeutic procedures.

MyBioSource | Tel: +1.858.633.0165 | Fax: +1.858.633.0166 | mybiosource.com/contact-us
Online datasheet: https://www.mybiosource.com/human-antibody/nox5/856080