NOX1 Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	NOX1, Polyclonal Antibody
Full Product Name	NOX1 Antibody, FITC conjugated
Product Gene Name	anti-NOX1 antibody
Product Synonym Names	NADPH oxidase 1; NOX-1; Mitogenic oxidase 1; MOX-1; NADH/NADPH mitogenic oxidase subunit P65-MOX; NOH-1; NOX1; MOX1; NOH1
Clonality	Polyclonal
Isotype	IgG
Host	Rabbit
Species Reactivity	Human
Form/Format	Liquid
Purity/Purification	>95%, Protein G purified
Preparation and Storage	Upon receipt, store at -20 degree C or -80 degree C. Avoid repeated freeze.
Matching Pairs	Unconjugated Antibody: NOX1 (MBS7105013) FITC Conjugated Antibody: NOX1 (MBS7105015)
Molecular Weight	58,972 Da
OMIM	AF127763 mRNA
3D Structure	ModBase 3D Structure for Q9Y5S8
Immunogen	Recombinant Human NADPH oxidase 1 protein (418-564AA)
Conjugation	FITC
Buffer	Preservative: 0.03% Proclin 300 Constituents: 50% Glycerol, 0.01M PBS, pH 7.4
Product Categories/Family for anti-NOX1 antibody	Epigenetics and Nuclear Signaling; Cell biology; Immunology; Metabolism; Signal transduction
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Applications Tested/Suitable for anti-NOX1 antibody	ELISA (EIA)
Related Product Information for anti-NOX1 antibody	NOH-1S is a voltage-gated proton channel that mediates the H(+) currents of resting phagocytes and other tissues. It participates in the regulation of cellular pH and is blocked by zinc. NOH-1L is a pyridine nucleotide-dependent oxidoreductase that generates superoxide and might conduct H(+) ions as part of its electron transport mechanism, whereas NOH-1S does not contain an electron transport chain.
Other Notes	Small volumes of anti-NOX1 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.
Searchable Terms for NOX1 purchase	MBS7105015 is an antibody targeting NOX1. Also known as NOX1 Antibody, FITC conjugated. Reactive in Human. Host: Rabbit.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for NOX1. It may not necessarily be applicable to this product.

NCBI GI #	425854820
NCBI GeneID	27035
NCBI Accession #	NP_001258744.1
UniProt Primary Accession #	Q9Y5S8
UniProt Secondary Accession #	O95691; Q2PP02; A8K836
UniProt Related Accession #	Q9Y5S8
GenBank Nucleotide #	NM_001271815.1
NCBI Official Full Name	NADPH oxidase 1 isoform 3
NCBI Official Synonym Full Names	NADPH oxidase 1
NCBI Official Symbol	NOX1
NCBI Official Synonym Symbols	MOX1; NOH1; NOH-1; GP91-2
UniProt Protein Name	NADPH oxidase 1
UniProt Synonym Protein Names	Mitogenic oxidase 1; MOX-1; NADH/NADPH mitogenic oxidase subunit P65-MOX; NOH-1
Protein Family	NADPH oxidase
UniProt Gene Name	NOX1
UniProt Synonym Gene Names	MOX1; NOH1; NOX-1; MOX-1
NCBI Protein Information	NADPH oxidase 1
NCBI Summary for NOX1	This gene encodes a member of the NADPH oxidase family of enzymes responsible for the catalytic one-electron transfer of oxygen to generate superoxide or hydrogen peroxide. Alternatively spliced transcript variants encoding multiple isoforms have been observed for this gene. [provided by RefSeq, Nov 2012]
UniProt Comments for NOX1	NOH-1S is a voltage-gated proton channel that mediates the H+ currents of resting phagocytes and other tissues. It participates in the regulation of cellular pH and is blocked by zinc. NOH-1L is a pyridine nucleotide-dependent oxidoreductase that generates superoxide and might conduct H+ ions as part of its electron transport mechanism, whereas NOH-1S does not contain an electron transport chain.
Research Articles on NOX1	**1.** the anti-proliferative and pro-apoptotic effect of cambogin on breast adenocarcinoma is mediated via inducing NOX1-dependent ROS production and the dissociation of ASK1 and Trx1
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