

Rabbit anti-Human NOX1 Polyclonal Antibody | anti-NOX1 antibody

NOX1 Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA40547	Rabbit	Human	Immunofluorescence, Immunohistochemistry, Western Blot, ELISA

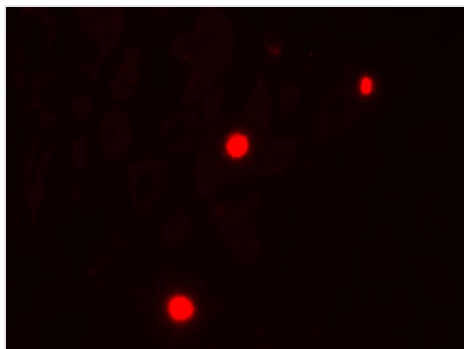
PRODUCT SYNONYMS

NOX1; Polyclonal Antibody; NOX1 Antibody; MOX1; NOH1; NOH-1; GP91-2; NADPH oxidase 1; Mitogenic oxidase 1; NOX-1; anti-NOX1 antibody

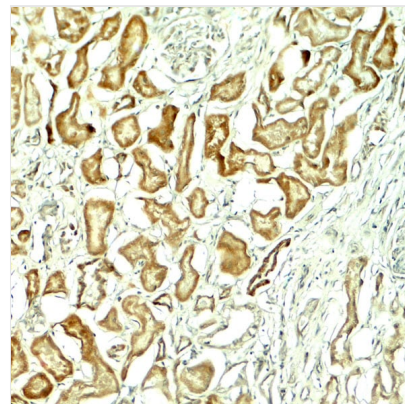
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Isotype	IgG
Specificity	NOX1 antibody is human specific.
Purity/Purification	NOX1 antibody is affinity chromatography purified via peptide column.
Form/Format	Liquid
Concentration	1 mg/mL (varies by lot)
Sequence Length	564
Applicable Applications for anti-NOX1 antibody	IF (Immunofluorescence), IHC (Immunohistochemistry), WB (Western Blot), ELISA
Conjugate	Unconjugated
Immunogen	NOX1 antibody was raised against a 15 amino acid peptide near the center of human NOX1.
Buffer	NOX1 antibody is supplied in PBS containing 0.02% sodium azide.
Preparation and Storage	NOX1 antibody can be stored at 4 degree C for three months and -20 degree C, stable for up to one year.

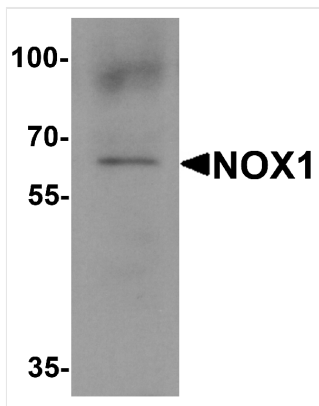
IMAGES


IF (Immunofluorescence)

Immunofluorescence of NOX1 in human kidney tissue with NOX1 antibody at 20 µg/mL.


IHC (Immunohistochemistry)

Immunohistochemistry of NOX1 in human kidney tissue with NOX1 antibody at 5 µg/mL.



WB (Western Blot)

Western blot analysis of NOX1 in 293 cell lysate with NOX1 antibody at 1 μg/ml.

ADDITIONAL INFORMATION

Related Product Information for anti-NOX1 antibody

Voltage-gated proton (hydrogen) channels play an important role in cellular defense against acidic stress (1). NOX1 is a homolog of the catalytic subunit of the superoxide-generating NADPH oxidase of phagocytes, gp91phox (1). Three splice variants of NOX1 have been identified, NOH-1L, NOH-1S and NOH-1Lv (2). NOH-1S is a voltage-gated proton channel that 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 (1-3). NOX1 have the potential to be effective treatments for a range of ischemic diseases (4).

NCBI AND UNIPROT INFORMATION

NCBI GI #	148536873
NCBI GeneID	27035
NCBI Accession #	NP_008983
NCBI GenBank Nucleotide #	NM_007052.4
UniProt Accession #	Q9Y5S8; O95691; Q2PP02; A8K836
Molecular Weight	Predicted: 62 kDa Observed: 64 kDa
NCBI Official Full Name	NADPH oxidase 1 isoform 1
NCBI Official Synonym Full Names	NADPH oxidase 1
NCBI Official Symbol	NOX1
NCBI Official Synonym Symbols	MOX1; NOH1; NOH-1; GP91-2
NCBI Protein Information	NADPH oxidase 1; mitogenic oxidase 1; NADPH oxidase homolog-1; NADH/NADPH mitogenic oxidase subunit P65-MOX; mitogenic oxidase (pyridine nucleotide-dependent superoxide-generating)
UniProt Protein Name	NADPH oxidase 1
UniProt Gene Name	NOX1
UniProt Synonym Gene Names	MOX1; NOH1; NOX-1; MOX-1
UniProt Entry Name	NOX1_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

