

Rabbit anti-Human, Mouse NOX3 Polyclonal Antibody | anti-NOX3 antibody

NOX3 Antibody

CATALOG # AAA40490	HOST Rabbit	REACTIVITY Human, Mouse	APPLICATIONS Immunofluorescence, Immunohistochemistry, Western Blot, ELISA
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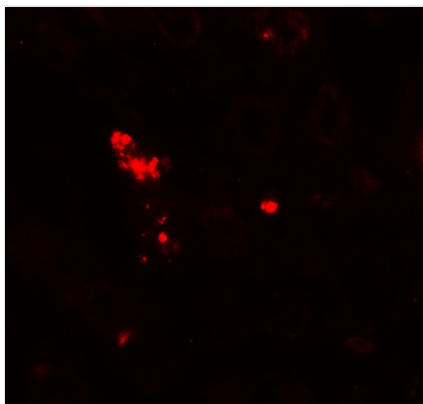
PRODUCT SYNONYMS

NOX3; Polyclonal Antibody; NOX3 Antibody; NADPH oxidase 3; NOX-3; GP91-3; MOX2; MOX-2; NADPH oxidase 3; anti-NOX3 antibody

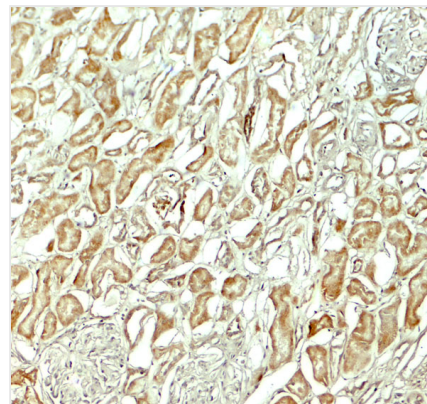
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse
Clonality	Polyclonal
Isotype	IgG
Specificity	NOX3 antibody is human and mouse reactive. NOX3 is predicted to not cross-react with other NOX proteins.
Purity/Purification	NOX3 antibody is affinity chromatography purified via peptide column.
Form/Format	Liquid
Concentration	1 mg/mL (varies by lot)
Sequence Length	568
Applicable Applications for anti-NOX3 antibody	IF (Immunofluorescence), IHC (Immunohistochemistry), WB (Western Blot), ELISA
Conjugate	Unconjugated
Immunogen	NOX3 antibody was raised against a 15 amino acid peptide near the amino terminus of human NOX3.
Buffer	NOX3 antibody is supplied in PBS containing 0.02% sodium azide.
Preparation and Storage	NOX3 antibody can be stored at 4 degree C for three months and -20 degree C, stable for up to one year.

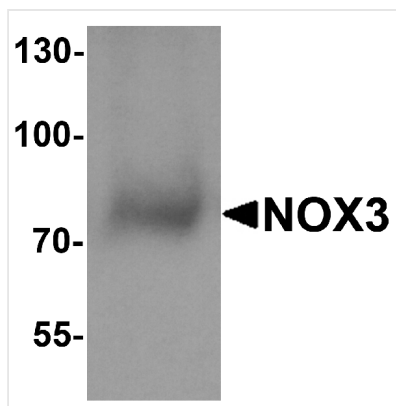
IMAGES


IF (Immunofluorescence)

Immunofluorescence of NOX3 in human kidney tissue with NOX3 antibody at 20 &#956;g/ml.


IHC (Immunohistochemistry)

Immunohistochemistry of NOX3 in human kidney tissue with NOX3 antibody at 5 &#956;g/ml.



WB (Western Blot)

Western blot analysis of NOX3 in 293 cell lysate with NOX1 antibody at 1 μg/ml.

ADDITIONAL INFORMATION

Related Product Information for anti-NOX3 antibody

The NOX family of NADPH oxidases is comprised of seven transmembrane proteins that oxidize intracellular NADPH/NADH, causing electron transport across the membrane and the reduction of molecular oxygen to superoxide (1). NOX3 is expressed predominantly in the inner ear and is involved in the biogenesis of otoconia/otolith (2,3). It has been suggested that NOX3 is activated by the Transient Receptor Potential Vanilloid 1 (TRPV1), and this activity causes increased levels of reactive oxygen species in the inner ear, which in turn leads to STAT1-mediated inflammation and hearing loss (4).

NCBI AND UNIPROT INFORMATION

NCBI GI #	11136626
NCBI GeneID	50508
NCBI Accession #	NP_056533
NCBI GenBank Nucleotide #	NM_015718.2
Molecular Weight	Predicted: 62 kDa Observed: 72 kDa
NCBI Official Full Name	NADPH oxidase 3
NCBI Official Synonym Full Names	NADPH oxidase 3
NCBI Official Symbol	NOX3
NCBI Official Synonym Symbols	MOX-2; GP91-3
NCBI Protein Information	NADPH oxidase 3; gp91phox homolog 3; mitogenic oxidase 2; NADPH oxidase catalytic subunit-like 3
UniProt Protein Name	NADPH oxidase 3
UniProt Gene Name	NOX3
UniProt Synonym Gene Names	MOX2; MOX-2; GP91-3
UniProt Entry Name	NOX3_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.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/nox3-antibody-immunofluorescence-immunohistochemistry-western-blot-elisa/40490>