

Rabbit anti-Human Nox3 Polyclonal Antibody | anti-Nox3 antibody

Nox3 Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA322574	Rabbit	Human	ELISA, Immunohistochemistry, Western Blot

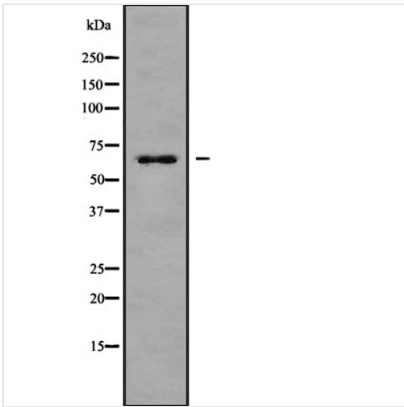
PRODUCT SYNONYMS

Nox3; Polyclonal Antibody; Nox3 Antibody; EC 1.6.3.-; GP91 3; GP91-3; gp91phox homolog 3; Mitogenic oxidase 2; MOX 2; MOX-2; MOX2; NADPH oxidase 3; NADPH oxidase catalytic subunit-like 3; NOX 3; NOX3_HUMAN; anti-Nox3 antibody

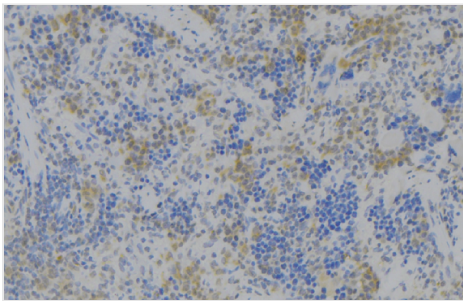
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Isotype	IgG
Specificity	Nox3 antibody detects endogenous levels of total Nox3
Purity/Purification	The antiserum was purified by peptide affinity chromatography using SulfoLink Coupling Resin.
Form/Format	Liquid Phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Concentration	1mg/ml (varies by lot)
Sequence Length	568
Applicable Applications for anti-Nox3 antibody	ELISA, IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	A synthesized peptide derived from human Nox3
Tissue Specificity	Expressed in fetal kidney and to a lower extent in liver, lung and spleen.
Predicted Cross Reactivity	Pig, Bovine, Horse, Sheep, Rabbit, Dog, Chicken
Similarity	Pig (80%), Bovine (80%), Horse (89%), Sheep (80%), Rabbit (80%), Dog (89%), Chicken (89%)
Conjugation	Unconjugated
Preparation and Storage	Store at -20 degree C. Stable for 12 months from date of receipt.

IMAGES



WB (Western Blot)
Western blot analysis Nox3 using HepG2 whole cell lysates



IHC (Immunohistochemistry)
AAA322574 at 1/100 staining Human lymph node tissue by IHC-P. The sample was formaldehyde fixed and a heat mediated antigen retrieval step in citrate buffer was performed. The sample was then blocked and incubated with the antibody for 1.5 hours at 22 degree C. An HRP conjugated goat anti-rabbit antibody was used as the secondary.

ADDITIONAL INFORMATION

Related Product Information for anti-Nox3 antibody	Function: NADPH oxidase which constitutively produces superoxide upon formation of a complex with CYBA/p22phox. Plays a role in the biogenesis of otoconia/otolith, which are crystalline structures of the inner ear involved in the perception of gravity. Subunit Structure: Interacts with and stabilizes CYBA/p22phox.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	11136626
NCBI GeneID	50508
NCBI Accession #	NP_056533.1
NCBI GenBank Nucleotide #	NM_015718.2
UniProt Accession #	Q9HBY0; Q9HBJ9
Molecular Weight	Observed: 65 kDa Predicted: 65 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
UniProt Protein Name	NADPH oxidase 3
UniProt Gene Name	NOX3
UniProt Synonym Gene Names	MOX2; MOX-2; GP91-3

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.