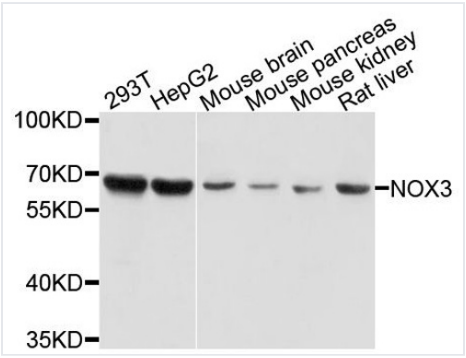
NOX3 Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	NOX3, Polyclonal Antibody
Full Product Name	NOX3
Product Gene Name	anti-NOX3 antibody
Clonality	Polyclonal
Host	Rabbit
Species Reactivity	Human
Molecular Weight	568
OMIM	607105
3D Structure	ModBase 3D Structure for Q9HBY0
Species	Human
Route	Synthetic Peptide
Product Categories/Family for anti-NOX3 antibody	Polyclonal
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Applications Tested/Suitable for anti-NOX3 antibody	Western Blot (WB)
Related Product Information for anti-NOX3 antibody	MBS129783 is an antibody targeting NOX3. Reactive in Human. Host: Rabbit.
Other Notes	Small volumes of anti-NOX3 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-NOX3 antibody
Western blot analysis of extracts of various cell lines, using NOX3 antibody at 1:1000 dilution.Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (MBS128200) at 1:10000 dilution.Lysates/proteins: 25ug per lane.Blocking buffer: 3% nonfat dry milk in TBST.Detection: ECL Basic Kit.Exposure time: 30s.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for NOX3. It may not necessarily be applicable to this product.

NCBI GI #	74752785
NCBI GeneID	50508
NCBI Accession #	Q9HBY0.1
UniProt Primary Accession #	Q9HBY0
UniProt Secondary Accession #	Q9HBJ9
UniProt Related Accession #	Q9HBY0
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
UniProt Protein Name	NADPH oxidase 3
UniProt Synonym Protein Names	Mitogenic oxidase 2; MOX-2; gp91phox homolog 3; GP91-3
Protein Family	NADPH oxidase
UniProt Gene Name	NOX3
UniProt Synonym Gene Names	MOX2; MOX-2; GP91-3
UniProt Entry Name	NOX3_HUMAN
NCBI Protein Information	NADPH oxidase 3; gp91phox homolog 3; mitogenic oxidase 2; NADPH oxidase catalytic subunit-like 3
NCBI Summary for NOX3	This gene encodes a member of the NOX family of NADPH oxidases. These enzymes have the capacity to generate superoxide and other reactive oxygen species (ROS) and transport electrons across the plasma membrane. The ROS generated by family members have been implicated in numerous biological functions including host defense, posttranlational processing of proteins, cellular signaling, regulation of gene expression, and cell differentiation. The protein encoded by this gene is expressed predominantly in the inner ear and is involved in the biogenesis of otoconia/otolith, which are crystalline structures of the inner ear involved in the perception of gravity.[provided by RefSeq, May 2009]
UniProt Comments for NOX3	NOX3: 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. Protein type: Membrane protein, integral; Membrane protein, multi-pass; EC 1.6.3.-; Oxidoreductase Chromosomal Location of Human Ortholog: 6q25.3 Cellular Component: cytoplasm; NADPH oxidase complex Molecular Function: superoxide-generating NADPH oxidase activity Biological Process: detection of gravity; thermoregulation; superoxide release; otolith development
Research Articles on NOX3	**1.** Reduced matrigel invasion was mediated by reduced ROS levels coinciding with decreased expression of NADPH oxidase 2, 3, 4 and 5 involved in ROS production.
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