



Rabbit Anti-NADPH oxidase 3 antibody

SL3683R

Product Name:	NADPH oxidase 3
Chinese Name:	NADPH oxidase 3抗体
Alias:	Mitogenic oxidase 2; MOX 2; MOX2; NADPH oxidase 3; NADPH oxidase catalytic subunit-like 3; NOX 3; NOX3; GP91 3; GP91-3; gp91phox homolog 3.
Organism Species:	Rabbit
Clonality:	Polyclonal
React Species:	Human,Mouse,Rat,Dog,Pig,Cow,Horse,
Applications:	WB=1:500-2000ELISA=1:500-1000IHC-P=1:400-800IHC-F=1:400-800IF=1:100-500 (Paraffin sections need antigen repair) not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
Molecular weight:	65kDa
Cellular localization:	cytoplasmicThe cell membraneSecretory protein
Form:	Lyophilized or Liquid
Concentration:	1mg/ml
immunogen:	KLH conjugated synthetic peptide derived from human Nox3/NADPH oxidase 3:65-160/568
Lsotype:	IgG
Purification:	affinity purified by Protein A
Storage Buffer:	0.01M TBS(pH7.4) with 1% BSA, 0.03% Proclin300 and 50% Glycerol.
Storage:	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. The lyophilized antibody is stable at room temperature for at least one month and for greater than a year when kept at -20°C. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.
PubMed:	PubMed
Product Detail:	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, posttranslational 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.

SWISS:
Q9HBY0

Gene ID:
50508

Database links:

[Entrez Gene: 50508](#)Human

[Entrez Gene: 224480](#)Mouse

[Entrez Gene: 292279](#)Rat

[Omim: 607105](#)Human

[SwissProt: Q9HBY0](#)Human

[SwissProt: Q672J9](#)Mouse

[SwissProt: Q672K1](#)Rat

[Unigene: 247776](#)Human

[Unigene: 328756](#)Mouse

[Unigene: 161761](#)Rat

Important Note:

This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.