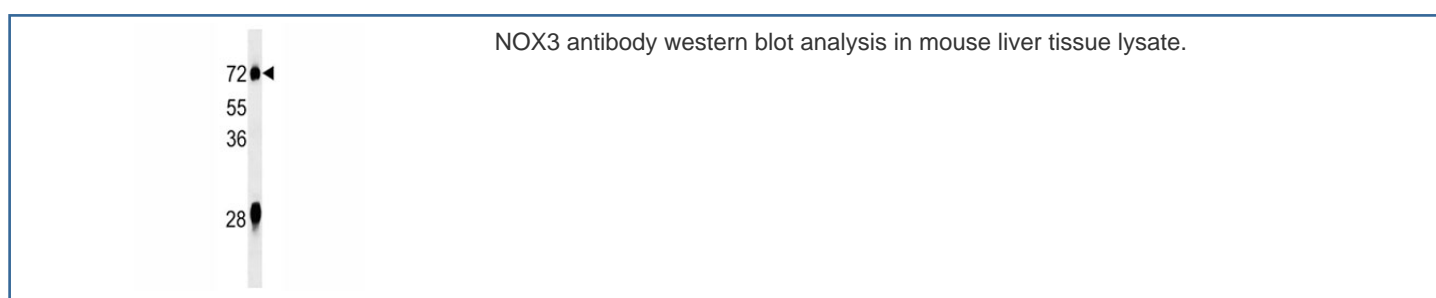


## NOX3 Antibody (F46436)

Catalog No.	Formulation	Size
F46436-0.4ML	In 1X PBS, pH 7.4, with 0.09% sodium azide	0.4 ml
F46436-0.08ML	In 1X PBS, pH 7.4, with 0.09% sodium azide	0.08 ml

[Bulk quote request](#)

<b>Availability</b>	1-3 business days
<b>Species Reactivity</b>	Human, Mouse
<b>Format</b>	Antigen affinity purified
<b>Clonality</b>	Polyclonal (rabbit origin)
<b>Isotype</b>	Rabbit Ig
<b>Purity</b>	Antigen affinity
<b>UniProt</b>	Q9HBY0
<b>Applications</b>	Western Blot : 1:1000
<b>Limitations</b>	This NOX3 antibody is available for research use only.



## Description

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.

## Application Notes

Titration of the NOX3 antibody may be required due to differences in protocols and secondary/substrate sensitivity.

## **Immunogen**

A portion of amino acids 73-102 from the human protein was used as the immunogen for this NOX3 antibody.

## **Storage**

Aliquot the NOX3 antibody and store frozen at -20oC or colder. Avoid repeated freeze-thaw cycles.