

Datasheet for ABIN966689  
**anti-NOX3 antibody (C-Term)**

## 5 Publications

[Go to Product page](#)

## Overview

Quantity:	0.1 mg
Target:	NOX3
Binding Specificity:	C-Term
Reactivity:	Mouse
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This NOX3 antibody is un-conjugated
Application:	Immunohistochemistry (IHC)

## Product Details

Immunogen:	Polyclonal antibody produced in rabbits immunizing with a synthetic peptide corresponding to C-terminal residues of mouse Nox3 (NADPH oxidase 3)
------------	--

## Target Details

Target:	NOX3
Alternative Name:	Nox3 ( <a href="#">NOX3 Products</a> )
Background:	NADPH oxidase which constitutively produces superoxide upon formation of a complex with CYBA/p22phox. Nox3 (NADPH oxidase 3) plays a role in the biogenesis of otoconia/otolith, which are crystalline structures of the inner ear involved in the perception of gravity. Nox3 (NADPH oxidase 3) is activated by the ototoxic drug cisplatin and activated by NOXO1. Nox3 is also cooperatively activated by NCF1 and NCF2 or NOXA1 in a phorbol 12-myristate 13acetate

## Target Details

---

(PMA)-dependent manner. Nox3 is inhibited by diphenyleneiodonium chloride. Nox3 interacts with and stabilizes CYBA/p22phox. Nox3 is specifically expressed in inner ear by the spiral ganglion neurons, the vestibular system and the sensory epithelial cell layer of the saccule.  
Synonyms: MOX2

## Application Details

---

Restrictions: For Research Use only

## Handling

---

Storage: 4 °C

## Publications

---

Product cited in: Cariappa, Tang, Parng, Nebelitskiy, Carroll, Georgopoulos, Pillai: "The follicular versus marginal zone B lymphocyte cell fate decision is regulated by Aiolos, Btk, and CD21." in: **Immunity**, Vol. 14, Issue 5, pp. 603-15, (2001) ([PubMed](#)).

Gommerman, Oh, Zhou, Tedder, Maurer, Galli, Carroll: "A role for CD21/CD35 and CD19 in responses to acute septic peritonitis: a potential mechanism for mast cell activation." in: **Journal of immunology (Baltimore, Md. : 1950)**, Vol. 165, Issue 12, pp. 6915-21, (2000) ([PubMed](#)).

Oliver, Martin, Kearney: "IgM<sup>high</sup>CD21<sup>high</sup> lymphocytes enriched in the splenic marginal zone generate effector cells more rapidly than the bulk of follicular B cells." in: **Journal of immunology (Baltimore, Md. : 1950)**, Vol. 162, Issue 12, pp. 7198-207, (1999) ([PubMed](#)).

Fischer, Goerg, Shen, Prodeus, Goodnow, Kelsoe, Carroll: "Dependence of germinal center B cells on expression of CD21/CD35 for survival." in: **Science (New York, N.Y.)**, Vol. 280, Issue 5363, pp. 582-5, (1998) ([PubMed](#)).

Oliver, Martin, Gartland, Carter, Kearney: "Marginal zone B cells exhibit unique activation, proliferative and immunoglobulin secretory responses." in: **European journal of immunology**, Vol. 27, Issue 9, pp. 2366-74, (1997) ([PubMed](#)).