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 (NOX3 Products)
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 glanglion 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:

Chéret, Gervais, Lelli, Colin, Amar, Ravassard, Mallet, Cumano, Krause, Mallat: "Neurotoxic activation of microglia is promoted by a nox1-dependent NADPH oxidase." in: **The Journal of neuroscience : the official journal of the Society for Neuroscience**, Vol. 28, Issue 46, pp. 12039-51, (2008) (PubMed).

Zhao, Jones, Yamoah, Lundberg: "Otoconin-90 deletion leads to imbalance but normal hearing: a comparison with other otoconia mutants." in: **Neuroscience**, Vol. 153, Issue 1, pp. 289-99, (2008) (PubMed).

Sato, Miida, Wada, Maruyama, Murakami, Hasegawa, Kuroda, Narita, Nakano, Gejyo: " Atherosclerosis is accelerated in patients with long-term well-controlled systemic lupus erythematosus (SLE)." in: **Clinica chimica acta; international journal of clinical chemistry**, Vol. 385, Issue 1-2, pp. 35-42, (2007) (PubMed).

Harrod, Baker: "The vestibulo ocular reflex (VOR) in otoconia deficient head tilt (het) mutant mice versus wild type C57BL/6 mice." in: **Brain research**, Vol. 972, Issue 1-2, pp. 75-83, (2003) (PubMed).

Fuller, Jones, Jones, Fuller: "Neurovestibular modulation of circadian and homeostatic regulation: vestibulohypothalamic connection?" in: **Proceedings of the National Academy of Sciences of the United States of America**, Vol. 99, Issue 24, pp. 15723-8, (2002) (PubMed).