

# NADPH oxidase

The NADPH [oxidase](#) (NOX) enzyme family is a major source of [reactive oxygen species](#) (ROS) and contributor to the secondary pathology underlying [traumatic brain injury](#) (TBI). However, little is known about how [NOX](#)-derived [ROS](#) influences the proliferation and cell-fate determination of neural stem/progenitor cells (NSCs/NPCs) following TBI.

[RHO protein GDP dissociation inhibitor](#) of Rho proteins (rho GDI), regulates GDP/GTP exchange.

The protein plays an important role in the activation of the oxygen superoxide-generating [NADPH oxidase](#) of phagocytes.

From:

<https://neurosurgerywiki.com/wiki/> - **Neurosurgery Wiki**

Permanent link:

[https://neurosurgerywiki.com/wiki/doku.php?id=nadph\\_oxidase](https://neurosurgerywiki.com/wiki/doku.php?id=nadph_oxidase)

Last update: **2024/06/07 02:51**

