

NOX3 Antibody (N-Terminus)
Rabbit Polyclonal Antibody
Catalog # ALS16424**Specification**

NOX3 Antibody (N-Terminus) - Product Information

Application	IHC, IF
Primary Accession	Q9HBY0
Reactivity	Human, Mouse
Host	Rabbit
Clonality	Polyclonal
Calculated MW	65kDa KDa

NOX3 Antibody (N-Terminus) - Additional Information**Gene ID** 50508**Other Names**

NADPH oxidase 3, 1.6.3.-, Mitogenic oxidase 2, MOX-2, gp91phox homolog 3, GP91-3, NOX3, MOX2

Target/Specificity

NOX3 antibody is human and mouse reactive. NOX3 is predicted to not cross-react with other NOX proteins.

Reconstitution & Storage

Long term: -20°C; Short term: +4°C. Avoid repeat freeze-thaw cycles.

Precautions

NOX3 Antibody (N-Terminus) is for research use only and not for use in diagnostic or therapeutic procedures.

NOX3 Antibody (N-Terminus) - Protein Information**Name** NOX3**Synonyms** MOX2**Function**

NADPH oxidase that catalyzes the generation of superoxide from molecular oxygen utilizing NADPH as an electron donor, upon formation of a complex with CYBA/p22phox (PubMed:15181005, PubMed:15824103). Plays a role in the biogenesis of otoconia/otolith, which are crystalline structures of the inner ear involved in the perception of gravity (By similarity).

Cellular Location

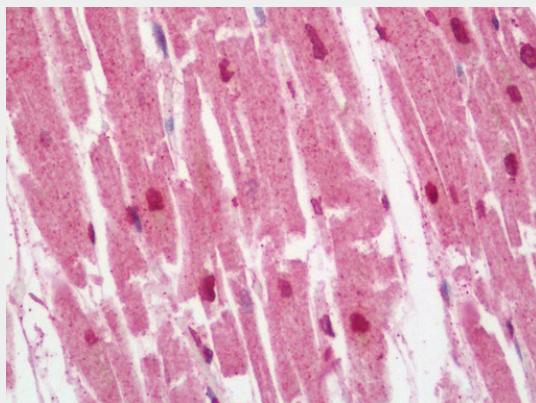
Cell membrane {ECO:0000250|UniProtKB:Q672J9}; Multi-pass membrane protein

NOX3 Antibody (N-Terminus) - Protocols

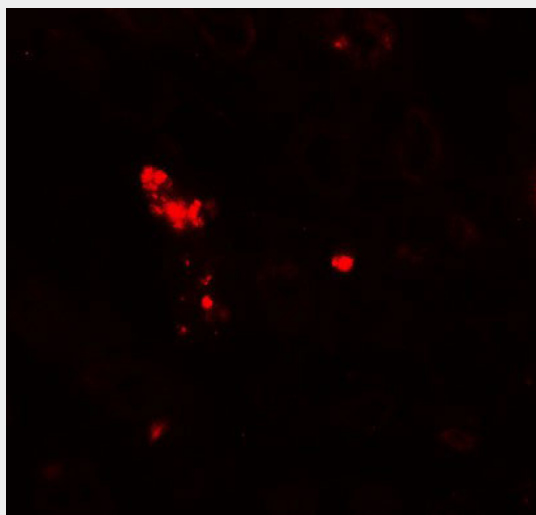
Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

NOX3 Antibody (N-Terminus) - Images



Human Heart: Formalin-Fixed, Paraffin-Embedded (FFPE)



Immunofluorescence of NOX3 in human kidney tissue with NOX3 antibody at 20 ug/ml.

NOX3 Antibody (N-Terminus) - Background

NADPH oxidase which constitutively produces superoxide upon formation of a complex with CYBA/p22phox. Plays a role in the biogenesis of otoconia/otolith, which are crystalline structures of the inner ear involved in the perception of gravity.

NOX3 Antibody (N-Terminus) - References

Cheng G.,et al.Gene 269:131-140(2001).
Mungall A.J.,et al.Nature 425:805-811(2003).
Kikuchi H.,et al.Gene 254:237-243(2000).
Cheng G.,et al.J. Biol. Chem. 279:34250-34255(2004).
Ueno N.,et al.J. Biol. Chem. 280:23328-23339(2005).