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NOX3 Polyclonal Antibody

Catalog Number **PA5-39279**

Product data sheet

Details	
Size	100 µg
Host/Isotope	Rabbit / IgG
Class	Polyclonal
Type	Antibody
Immunogen	A synthetic peptide derived from the internal region of human NOX3
Conjugate	Unconjugated
Form	Liquid
Concentration	1 mg/mL
Storage Conditions	-20°C

Species Reactivity	
Species reactivity	Human, Mouse, Rat
Published species	Mouse

Tested Applications	Dilution *
Immunohistochemistry (Paraffin) (IHC (P))	1:50-1:100

Published Applications	
Western Blot (WB)	See 1 publications below

* Suggested working dilutions are given as a guide only. It is recommended that the user titrate the product for use in their own experiment using appropriate negative and positive controls.

Background/Target Information

The NOX family of NAPDH oxidases is comprised of seven transmembrane proteins that oxidize intracellular NAPDH/NADH, causing electron transport across the membrane and the reduction of molecular oxygen to superoxide. NOX3 is expressed predominantly in the inner ear and is involved in the biogenesis of otoconia/otolith. It has been suggested that NOX3 is activated by the Transient Receptor Potential Vanilloid 1 (TRPV1), and this activity causes increased levels of reactive oxygen species in the inner ear, which in turn leads to STAT1-mediated inflammation and hearing loss.

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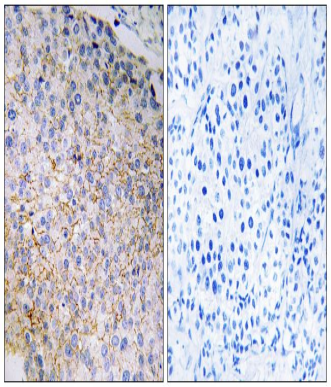
Product Images For NOX3 Polyclonal Antibody



NOX3 Antibody (PA5-39279) in IHC (P)

Immunohistochemical analysis of NOX3 in paraffin-embedded human breast carcinoma using a NOX3 polyclonal antibody (Product # PA5-39279).

Thermo Fisher Scientific
3747 N. Meridian Road
Rockford, IL 61105 USA

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PubMed References For NOX3 Polyclonal Antibody

1 Western Blot References

Species / Dilution	Summary
Mouse / 1:1000	PA5-39279 was used in Western Blotting to investigate the role of TLR5 in DOX-induced cardiotoxicity. Theranostics (2021; 10: 11013) **"Toll-like receptor 5 deficiency diminishes doxorubicin-induced acute cardiotoxicity in mice."** Author(s):Ma ZG,Kong CY,Wu HM,Song P,Zhang X,Yuan YP,Deng W,Tang QZ PubMed Article URL:http://dx.doi.org/10.7150/thno.47516

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Rockford, IL 61105 USA

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