

**NOXO1 Polyclonal Antibody**  
**Purified Rabbit Polyclonal Antibody (Pab)**  
**Catalog # AP57474****Specification****NOXO1 Polyclonal Antibody - Product Information**

Application	IHC-P, IHC-F, IF, ICC, E
Primary Accession	<a href="#">Q8NFA2</a>
Host	Rabbit
Clonality	Polyclonal
Calculated MW	41253

**NOXO1 Polyclonal Antibody - Additional Information****Gene ID** 124056**Other Names**

NADPH oxidase organizer 1, NADPH oxidase regulatory protein, Nox organizer 1, Nox-organizing protein 1, SH3 and PX domain-containing protein 5, NOXO1, P41NOX, SH3PXD5

**Dilution**

IHC-P ~ ~ N/A  
IHC-F ~ ~ N/A  
IF ~ ~ 1:50 ~ 200  
ICC ~ ~ N/A  
E ~ ~ N/A

**Format**

0.01M TBS(pH7.4), 0.09% (W/V) sodium azide and 50% Glyce

**Storage**

Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.

**NOXO1 Polyclonal Antibody - Protein Information****Name** NOXO1**Synonyms** P41NOX, SH3PXD5**Function**

Constitutively potentiates the superoxide-generating activity of NOX1 and NOX3 and is required for the biogenesis of otoconia/otolith, which are crystalline structures of the inner ear involved in the perception of gravity. Isoform 3 is more potent than isoform 1 in activating NOX3. Together with NOXA1, may also substitute to NCF1/p47phox and NCF2/p67phox in supporting the phagocyte NOX2/gp91phox superoxide-generating activity.

**Cellular Location**

[Isoform 3]: Cell membrane; Peripheral membrane protein; Cytoplasmic side. Note=Isoform 3

associates with the plasma membrane in a lipid-dependent manner (PubMed:12716910)

**Tissue Location**

Expressed in testis, small and large intestines, liver, kidney and pancreas. Isoform 3 is mainly expressed in colon Isoform 1 is preferentially expressed in testis

**NOXO1 Polyclonal Antibody - 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](#)

**NOXO1 Polyclonal Antibody - Images**