

NOXO1 antibody - middle region
Rabbit Polyclonal Antibody
Catalog # AI15050**Specification**

NOXO1 antibody - middle region - Product Information

Application	WB
Primary Accession	Q8NFA2
Other Accession	NM_172168 , NP_751908
Reactivity	Human, Horse, Bovine
Predicted	Human, Horse, Bovine
Host	Rabbit
Clonality	Polyclonal
Calculated MW	41kDa KDa

NOXO1 antibody - middle region - Additional Information**Gene ID** 124056**Alias Symbol** MGC20258, P41NOX, P41NOXA, P41NOXB, P41NOXC, SH3PXD5, SNX28**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

Format

Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose.

Reconstitution & Storage

Add 50 ul of distilled water. Final anti-NOXO1 antibody concentration is 1 mg/ml in PBS buffer with 2% sucrose. For longer periods of storage, store at 20°C. Avoid repeat freeze-thaw cycles.

Precautions

NOXO1 antibody - middle region is for research use only and not for use in diagnostic or therapeutic procedures.

NOXO1 antibody - middle region - 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)

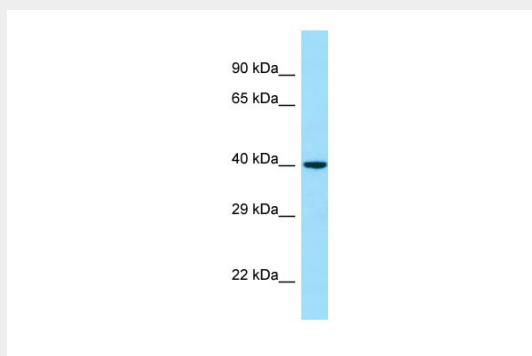
Tissue Location

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 antibody - middle region - 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 antibody - middle region - Images

Host: Rabbit
Target Name: NOXO1
Antibody Dilution: 1.0µg/ml
Sample Tissue: Human Kidney

NOXO1 antibody - middle region - References

Banfi B., et al. J. Biol. Chem. 278:3510-3513(2003).
Geiszt M., et al. J. Biol. Chem. 278:20006-20012(2003).
Takeya R., et al. J. Biol. Chem. 278:25234-25246(2003).
Cheng G., et al. J. Biol. Chem. 279:4737-4742(2004).
Cheng G., et al. Gene 356:118-126(2005).