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NOXO1 Antibody (C-Terminus)
Rabbit Polyclonal Antibody
Catalog # ALS17196

Specification

NOXO1 Antibody (C-Terminus) - Product Information

Application	**IHC-P, WB**
Primary Accession	Q8NFA2
Other Accession	124056
Reactivity	**Human**
Host	**Rabbit**
Clonality	**Polyclonal**
Isotype	**IgG**
Calculated MW	**41253**

NOXO1 Antibody (C-Terminus) - Additional Information

Gene ID 124056

Other Names
NOXO1, NADPH oxidase organizer 1, Nox-organizing protein 1, p41NOX, p41NOXA, p41NOXC, Regulatory protein P41NOX, Nox organizer 1, p41NOXB, SH3PXD5, SNX28

Target/Specificity
Human NOXO1

Reconstitution & Storage
0.1 M Tris-glycine, pH 7.0, 10% glycerol, 0.01% Thimerosal. Keep as concentrated solution. Aliquot and store at -20°C or below. Avoid multiple freeze-thaw cycles.

Precautions
NOXO1 Antibody (C-Terminus) is for research use only and not for use in diagnostic or therapeutic procedures.

NOXO1 Antibody (C-Terminus) - 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

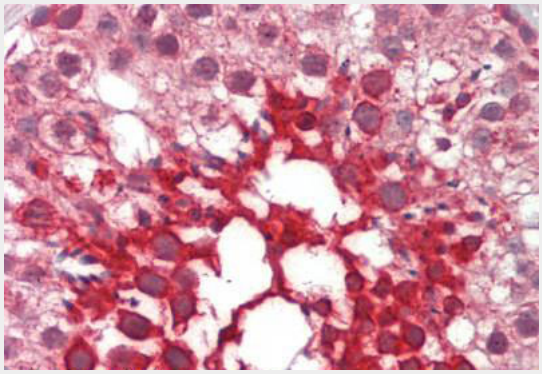
Volume
50 µl

NOXO1 Antibody (C-Terminus) - Protocols

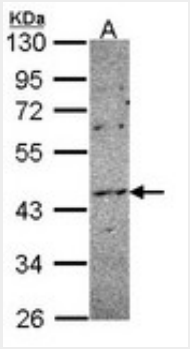
Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

NOXO1 Antibody (C-Terminus) - Images



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



Sample (30 ug of whole cell lysate). A: HCT116 10% SDS PAGE. NOXO1 antibody diluted at 1:1000.

NOXO1 Antibody (C-Terminus) - Background

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.

NOXO1 Antibody (C-Terminus) - References

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Takeya R.,et al.J. Biol. Chem. 278:25234-25246(2003).
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