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NOXO1 antibody - middle region

Rabbit Polyclonal Antibody
Catalog # AI15050

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	41253

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.

Protein Information

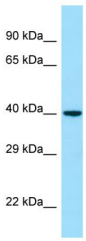
Name	NOXO1
Synonyms	P41NOX, SH3PXD5
Function	Constitutively potentiates the superoxide-generating activity of NOX1 and NOX3 and is required for the biogenesis of otoconia/otolith, which are crystalline structures of the inner ear involved in the perception of gravity. Isoform 3 is more potent than isoform 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

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).

Images



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

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.