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NOXO1 Polyclonal Antibody

Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP57474

Product Information

Application	IHC-P, IHC-F, IF, ICC, E
Primary Accession	Q8NFA2
Reactivity	Human, Mouse
Host	Rabbit
Clonality	Polyclonal
Calculated MW	41253

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=1:100-500,IHC-F=1:100-500,ICC=1:100-500,IF=1:100-500,ELISA=1:5000-10000
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.

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

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