



# NOXO1 Polyclonal Antibody

<b>Catalog No</b>	BYab-05813
<b>Isotype</b>	IgG
<b>Reactivity</b>	Human;Mouse
<b>Applications</b>	WB;ELISA
<b>Gene Name</b>	NOXO1 P41NOX SH3PXD5
<b>Protein Name</b>	NADPH oxidase organizer 1 (NADPH oxidase regulatory protein) (Nox organizer 1) (Nox-organizing protein 1) (SH3 and PX domain-containing protein 5)
<b>Immunogen</b>	Synthesized peptide derived from human protein . at AA range: 160-240
<b>Specificity</b>	NOXO1 Polyclonal Antibody detects endogenous levels of protein.
<b>Formulation</b>	Liquid in PBS containing 50% glycerol, and 0.02% sodium azide.
<b>Source</b>	Polyclonal, Rabbit,IgG
<b>Purification</b>	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
<b>Dilution</b>	WB 1:500-2000 ELISA 1:5000-20000
<b>Concentration</b>	1 mg/ml
<b>Purity</b>	≥90%
<b>Storage Stability</b>	-20°C/1 year
<b>Synonyms</b>	
<b>Observed Band</b>	41kD
<b>Cell Pathway</b>	[Isoform 3]: Cell membrane ; Peripheral membrane protein ; Cytoplasmic side . Isoform 3 associates with the plasma membrane in a lipid-dependent manner (PubMed:12716910).
<b>Tissue Specificity</b>	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.
<b>Function</b>	developmental stage:Isoform 3 is expressed in fetal liver.,domain:The PX domain mediates lipid-binding, localization to the plasma membrane and is required for NOX1 activation.,domain:The SH3 domains mediate interaction with CYBA/p22phox. Also mediates intramolecular interaction with the proline-rich region.,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.,similarity:Contains 1 PX (phox

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homology) domain.,similarity:Contains 2 SH3 domains.,subcellular location:Isoform 3 associates with the plasma membran

**Background**

This gene encodes an NADPH oxidase (NOX) organizer, which positively regulates NOX1 and NOX3. The protein contains a PX domain and two SH3 domains. Alternatively spliced transcript variants encoding multiple isoforms have been observed for this gene. [provided by RefSeq, Jun 2012],

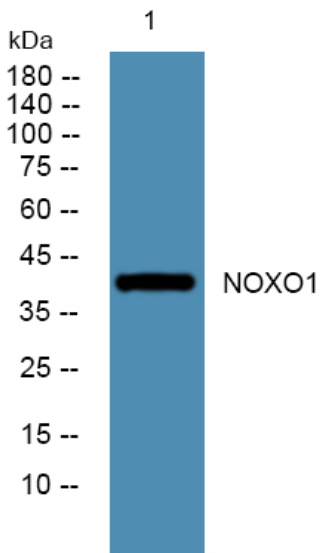
**matters needing attention**

Avoid repeated freezing and thawing!

**Usage suggestions**

This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.

**Products Images**



Western blot analysis of lysates from K562 cells, primary antibody was diluted at 1:1000, 4° over night