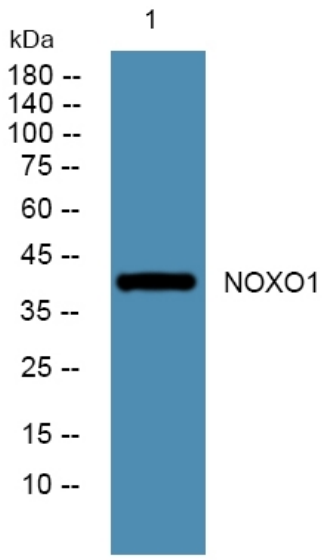
NOXO1 Polyclonal Antibody

Catalog No	YP-Ab-05813
Isotype	IgG
Reactivity	Human;Mouse
Applications	WB;ELISA
Gene Name	NOXO1 P41NOX SH3PXD5
Protein Name	NADPH oxidase organizer 1 (NADPH oxidase regulatory protein) (Nox organizer 1) (Nox-organizing protein 1) (SH3 and PX domain-containing protein 5)
Immunogen	Synthesized peptide derived from human protein . at AA range: 160-240
Specificity	NOXO1 Polyclonal Antibody detects endogenous levels of protein.
Formulation	Liquid in PBS containing 50% glycerol, and 0.02% sodium azide.
Source	Polyclonal, Rabbit,IgG
Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Dilution	WB 1:500-2000 ELISA 1:5000-20000
Concentration	1 mg/ml
Purity	≥90%
Storage Stability	-20°C/1 year
Synonyms	
Observed Band	41kD
Cell Pathway	[Isoform 3]: Cell membrane ; Peripheral membrane protein ; Cytoplasmic side . Isoform 3 associates with the plasma membrane in a lipid-dependent manner (PubMed:12716910).
Tissue Specificity	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.
Function	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 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