



# NOXA1 Polyclonal Antibody

<b>Catalog No</b>	BYab-07873
<b>Isotype</b>	IgG
<b>Reactivity</b>	Human;Rat;Mouse;
<b>Applications</b>	WB;ELISA
<b>Gene Name</b>	NOXA1 P51NOX
<b>Protein Name</b>	NADPH oxidase activator 1 (NOX activator 1) (Antigen NY-CO-31) (NCF2-like protein) (P67phox-like factor) (p51-nox)
<b>Immunogen</b>	Synthesized peptide derived from part region of human protein
<b>Specificity</b>	NOXA1 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>	52kD
<b>Cell Pathway</b>	Cytoplasm. Cell membrane. Translocation to membranes depends on NOXO1 or NCF1 and maybe RAC1.
<b>Tissue Specificity</b>	Widely expressed. Detected in pancreas, liver, kidney, spleen, prostate, small intestine and colon.
<b>Function</b>	developmental stage:Expressed in fetal kidney.,domain:The SH3 domain mediates interaction with NOXO1 and NCF1 and has autoregulatory function.,domain:The TPR repeats mediate interaction with RAC1.,function:Functions as an activator of NOX1, a superoxide-producing NADPH oxidase. Functions in the production of reactive oxygen species (ROS) which participate in a variety of biological processes including host defense, hormone biosynthesis, oxygen sensing and signal transduction. May also activate CYBB/gp91phox and NOX3.,PTM:Interaction with YWHAZ depends on phosphorylation by PKA.,similarity:Belongs to the NCF2/NOXA1 family.,similarity:Contains 1 OPR domain.,similarity:Contains 1 SH3 domain.,similarity:Contains 4 TPR repeats.,subcellular location:Translocation to

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membranes depends on NOXO1 or NCF1 and maybe RAC1.,subunit:NOX1, NOXA1, NOXO1, RAC1 and CYBA forms a functional multimeric comple

**Background**

This gene encodes a protein which activates NADPH oxidases, enzymes which catalyze a reaction generating reactive oxygen species. The encoded protein contains four N-terminal tetratricopeptide domains and a C-terminal Src homology 3 domain. Interaction between the encoded protein and proteins in the oxidase regulatory complex occur via the tetratricopeptide domains. Multiple transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Dec 2011],

**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**