

NOXA1 Antibody (C-term)
Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP9567b

Specification

NOXA1 Antibody (C-term) - Product Information

Application	WB,E
Primary Accession	Q86UR1
Reactivity	Human
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Calculated MW	50933
Antigen Region	449-478

NOXA1 Antibody (C-term) - Additional Information

Gene ID 10811

Other Names

NADPH oxidase activator 1, NOX activator 1, Antigen NY-CO-31, NCF2-like protein, P67phox-like factor, p51-nox, NOXA1, P51NOX

Target/Specificity

This NOXA1 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 449-478 amino acids from the C-terminal region of human NOXA1.

Dilution

WB~~1:1000

E~~Use at an assay dependent concentration.

Format

Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.

Storage

Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

Precautions

NOXA1 Antibody (C-term) is for research use only and not for use in diagnostic or therapeutic procedures.

NOXA1 Antibody (C-term) - Protein Information

Name NOXA1

Synonyms P51NOX

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.

Cellular Location

Cytoplasm. Cell membrane. Note=Translocation to membranes depends on NOXO1 or NCF1 and maybe RAC1

Tissue Location

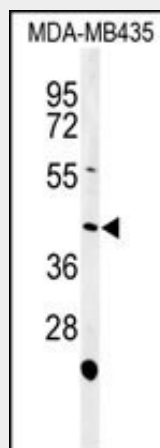
Widely expressed. Detected in pancreas, liver, kidney, spleen, prostate, small intestine and colon

NOXA1 Antibody (C-term) - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

NOXA1 Antibody (C-term) - Images



Western blot analysis of NOXA1 Antibody (C-term) (Cat. #AP9567b) in MDA-MB435 cell line lysates (35ug/lane). NOXA1 (arrow) was detected using the purified Pab.

NOXA1 Antibody (C-term) - Background

NADPH oxidases (NOXs) catalyze the transfer of electrons from NADPH to molecular oxygen to generate reactive oxygen species (ROS). The NOX activator NOXA1 can stimulate both NOX1 (MIM 300225) and NOX2 (CYBB; MIM 300481), but it appears to be more effective in activating NOX1 (Opitz et al., 2007 [PubMed 17189823]). [supplied by OMIM].

NOXA1 Antibody (C-term) - References

?Niu, X.L., et al. Circulation 121(4):549-559(2010)

?Pacquelet, S., et al. J. Biol. Chem. 283(36):24649-24658(2008)
?Honjo, T., et al. Endothelium 15(3):137-141(2008)
?Kim, J.S., et al. J. Biol. Chem. 282(48):34787-34800(2007)
?Valente, A.J., et al. Free Radic. Biol. Med. 43(3):384-396(2007)
?Cheng, G., et al. J. Biol. Chem. 281(26):17718-17726(2006)