

**NOXA1 Antibody (C-term) Blocking Peptide**  
**Synthetic peptide**  
**Catalog # BP9567b****Specification**

---

**NOXA1 Antibody (C-term) Blocking Peptide - Product Information**

Primary Accession [Q86UR1](#)

**NOXA1 Antibody (C-term) Blocking Peptide - 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

**Format**

Peptides are lyophilized in a solid powder format. Peptides can be reconstituted in solution using the appropriate buffer as needed.

**Storage**

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C.

**Precautions**

This product is for research use only. Not for use in diagnostic or therapeutic procedures.

**NOXA1 Antibody (C-term) Blocking Peptide - 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) Blocking Peptide - Protocols**

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

- [Blocking Peptides](#)

#### **NOXA1 Antibody (C-term) Blocking Peptide - Images**

#### **NOXA1 Antibody (C-term) Blocking Peptide - 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) Blocking Peptide - References**

??iu, X.L., et al. Circulation 121(4):549-559(2010)??acquelet, S., et al. J. Biol. Chem. 283(36):24649-24658(2008)??onjo, T., et al. Endothelium 15(3):137-141(2008)??im, J.S., et al. J. Biol. Chem. 282(48):34787-34800(2007)??alente, A.J., et al. Free Radic. Biol. Med. 43(3):384-396(2007)??heng, G., et al. J. Biol. Chem. 281(26):17718-17726(2006)