

NOX1 Antibody (Center) Blocking Peptide
Synthetic peptide
Catalog # BP17191c**Specification**

NOX1 Antibody (Center) Blocking Peptide - Product InformationPrimary Accession [Q9Y5S8](#)**NOX1 Antibody (Center) Blocking Peptide - Additional Information****Gene ID** 27035**Other Names**

NADPH oxidase 1, NOX-1, 1---, Mitogenic oxidase 1, MOX-1, NADH/NADPH mitogenic oxidase subunit P65-MOX, NOH-1, NOX1, MOX1, NOH1

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.

NOX1 Antibody (Center) Blocking Peptide - Protein Information**Name** NOX1**Synonyms** MOX1, NOH1**Function**

NADPH oxidase that catalyzes the generation of superoxide from molecular oxygen utilizing NADPH as an electron donor.

Cellular Location

Cell projection, invadopodium membrane; Multi-pass membrane protein. Cell membrane; Multi-pass membrane protein

Tissue Location

[Isoform NOH-1L]: Detected in colon, uterus, prostate, and colon carcinoma, but not in peripheral blood leukocytes

NOX1 Antibody (Center) Blocking Peptide - Protocols

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

- [Blocking Peptides](#)

NOX1 Antibody (Center) Blocking Peptide - Images

NOX1 Antibody (Center) Blocking Peptide - Background

Voltage-gated proton (hydrogen) channels play an important role in cellular defense against acidic stress. They are unique among ion channels with respect to their extremely high selectivity, marked temperature dependence, and unitary conductance, which is 3 orders of magnitude lower than that of most other ion channels. NOX1 is a homolog of the catalytic subunit of the superoxide-generating NADPH oxidase of phagocytes, gp91phox. Two transcript variants encoding different isoforms have been found for this gene.

NOX1 Antibody (Center) Blocking Peptide - References

Sancho, P., et al. J. Biol. Chem. 285(32):24815-24824(2010) van Bruggen, R., et al. Blood 115(26):5398-5400(2010) Roberts, K.E., et al. Gastroenterology 139(1):130-139(2010) Malec, V., et al. Free Radic. Biol. Med. 48(12):1626-1635(2010) Manea, A., et al. Biochem. Biophys. Res. Commun. 396(4):901-907(2010)