

NOX5 Antibody (C-term) Blocking peptide
Synthetic peptide
Catalog # BP13968b**Specification**

NOX5 Antibody (C-term) Blocking peptide - Product InformationPrimary Accession [Q96PH1](#)**NOX5 Antibody (C-term) Blocking peptide - Additional Information****Gene ID** 79400**Other Names**

NADPH oxidase 5, 163-, NOX5

Target/Specificity

The synthetic peptide sequence used to generate the antibody AP13968b was selected from the C-term region of NOX5. A 10 to 100 fold molar excess to antibody is recommended. Precise conditions should be optimized for a particular assay.

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.

NOX5 Antibody (C-term) Blocking peptide - Protein Information**Name** NOX5**Function**

Calcium-dependent NADPH oxidase that catalyzes the generation of superoxide from molecular oxygen utilizing NADPH as an electron donor (PubMed:12686516). May play a role in cell growth and apoptosis (PubMed:12686516).

Cellular Location

[Isoform v2]: Endoplasmic reticulum. Cell membrane; Multi-pass membrane protein. Note=Calcium-sensitive association and dissociation between the N- and C-terminal domains appears to facilitate its localization to the cell membrane

Tissue Location

Mainly expressed in pachytene spermatocytes of testis and in lymphocyte-rich areas of spleen and

lymph nodes. Also detected in ovary, placenta, pancreas, cardiac fibroblasts. Expressed in B-cells and prostate malignant cells. [Isoform v2]: Expressed in microvascular endothelial cells (at protein level) (PubMed:17275676). Expressed in testis (PubMed:11483596). Expressed in endothelial cells and pulmonary artery smooth muscle cells (PubMed:17275676, PubMed:22427510) [Isoform v4]: Expressed in endothelial cells and pulmonary artery smooth muscle cells.

NOX5 Antibody (C-term) Blocking peptide - Protocols

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

- [Blocking Peptides](#)

NOX5 Antibody (C-term) Blocking peptide - Images

NOX5 Antibody (C-term) Blocking peptide - Background

Calcium-dependent NADPH oxidase that generates superoxide. Also functions as a calcium-dependent proton channel and may regulate redox-dependent processes in lymphocytes and spermatozoa. May play a role in cell growth and apoptosis.