

SUOX Antibody (Center) Blocking Peptide
Synthetic peptide
Catalog # BP17055c

Specification

SUOX Antibody (Center) Blocking Peptide - Product Information

Primary Accession [P51687](#)

SUOX Antibody (Center) Blocking Peptide - Additional Information

Gene ID 6821

Other Names

Sulfite oxidase, mitochondrial, SUOX

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.

SUOX Antibody (Center) Blocking Peptide - Protein Information

Name SUOX

Function

Catalyzes the oxidation of sulfite to sulfate, the terminal reaction in the oxidative degradation of sulfur-containing amino acids.

Cellular Location

Mitochondrion intermembrane space {ECO:0000250|UniProtKB:Q07116}

SUOX Antibody (Center) Blocking Peptide - Protocols

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

- [Blocking Peptides](#)

SUOX Antibody (Center) Blocking Peptide - Images

SUOX Antibody (Center) Blocking Peptide - Background

Sulfite oxidase is a homodimeric protein localized to the intermembrane space of mitochondria.

Each subunit contains a hemedomain and a molybdopterin-binding domain. The enzyme catalyzes the oxidation of sulfite to sulfate, the final reaction in the oxidative degradation of the sulfur amino acids cysteine and methionine. Sulfite oxidase deficiency results in neurological abnormalities which are often fatal at an early age. Alternative splicing results in multiple transcript variants encoding identical proteins.

SUOX Antibody (Center) Blocking Peptide - References

Rajapakshe, A., et al. Biochemistry 49(25):5154-5159(2010) Johnson-Winters, K., et al. Biochemistry 49(6):1290-1296(2010) Neumann, M., et al. FEBS J. 275(22):5678-5689(2008) Astashkin, A.V., et al. J. Am. Chem. Soc. 130(26):8471-8480(2008) Hakonarson, H., et al. Diabetes 57(4):1143-1146(2008)