

PAOX Antibody (Center) Blocking peptide
Synthetic peptide
Catalog # BP5864c**Specification**

PAOX Antibody (Center) Blocking peptide - Product Information

Primary Accession [Q6QHF9](#)
Other Accession [NP_997010.1](#), [NP_997011.1](#), [NP_690875.1](#)

PAOX Antibody (Center) Blocking peptide - Additional Information

Gene ID 196743

Other Names

Peroxisomal N(1)-acetyl-spermine/spermidine oxidase, Polyamine oxidase, PAOX, PAO

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.

PAOX Antibody (Center) Blocking peptide - Protein Information

Name PAOX

Synonyms PAO

Function

Flavoenzyme which catalyzes the oxidation of N(1)- acetylspermine to spermidine and is thus involved in the polyamine back-conversion (PubMed:12477380). Can also oxidize N(1)- acetylspermidine to putrescine. Substrate specificity: N(1)- acetylspermine = N(1)-acetylspermidine > N(1),N(12)-diacetylspermine >> spermine. Does not oxidize spermidine. Plays an important role in the regulation of polyamine intracellular concentration and has the potential to act as a determinant of cellular sensitivity to the antitumor polyamine analogs (PubMed:12477380).

Cellular Location

Peroxisome. Cytoplasm

Tissue Location

Widely expressed. Not detected in spleen. Expressed at lower level in neoplastic tissues.

PAOX Antibody (Center) Blocking peptide - Protocols

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

- [Blocking Peptides](#)

PAOX Antibody (Center) Blocking peptide - Images