10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

# CPOX Antibody (C-term) Blocking Peptide

**Synthetic peptide**
**Catalog # BP9738b**

## Specification

### CPOX Antibody (C-term) Blocking Peptide - Product Information

Primary Accession P36551

### CPOX Antibody (C-term) Blocking Peptide - Additional Information

**Gene ID** 1371

**Other Names**
Oxygen-dependent coproporphyrinogen-III oxidase, mitochondrial, COX, Coprogen oxidase, Coproporphyrinogenase, CPOX, CPO, CPX

**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.

### CPOX Antibody (C-term) Blocking Peptide - Protein Information

**Name** CPOX (HGNC:2321)

**Synonyms** CPO, CPX

**Function**
Catalyzes the aerobic oxidative decarboxylation of propionate groups of rings A and B of coproporphyrinogen-III to yield the vinyl groups in protoporphyrinogen-IX and participates to the sixth step in the heme biosynthetic pathway.

**Cellular Location**
Mitochondrion intermembrane space.

### CPOX Antibody (C-term) Blocking Peptide - Protocols

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

- Blocking Peptides

### CPOX Antibody (C-term) Blocking Peptide - Images

10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

## CPOX Antibody (C-term) Blocking Peptide - Background

CPOX is the sixth enzyme of the heme biosynthetic pathway. This enzyme is soluble and found in the intermembrane space of mitochondria. This enzyme catalyzes the stepwise oxidative decarboxylation of coproporphyrinogen III to protoporphyrinogen IX, a precursor of heme.

## CPOX Antibody (C-term) Blocking Peptide - References

Li, T., et al. Toxicol. Sci. 109(2):228-236(2009)Aurizi, C., et al. Cell. Mol. Biol. (Noisy-le-grand) 55(1):15-18(2009)Gorman, C.S., et al. Ir Med J 101 (4), 125 (2008)