

**LOX Antibody (Center) Blocking Peptide**  
Synthetic peptide  
Catalog # BP9127c

**Specification**

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**LOX Antibody (Center) Blocking Peptide - Product Information**

Primary Accession [P28300](#)

**LOX Antibody (Center) Blocking Peptide - Additional Information**

Gene ID 4015

**Other Names**

Protein-lysine 6-oxidase, Lysyl oxidase, LOX

**Target/Specificity**

The synthetic peptide sequence used to generate the antibody [AP9127c](/products/AP9127c) was selected from the Center region of human LOX. 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.

**LOX Antibody (Center) Blocking Peptide - Protein Information**

Name LOX

**Function**

Responsible for the post-translational oxidative deamination of peptidyl lysine residues in precursors to fibrous collagen and elastin (PubMed:[26838787](http://www.uniprot.org/citations/26838787)). Regulator of Ras expression. May play a role in tumor suppression. Plays a role in the aortic wall architecture (By similarity).

**Cellular Location**

Secreted. Secreted, extracellular space

**Tissue Location**

Heart, placenta, skeletal muscle, kidney, lung and pancreas.

## **LOX Antibody (Center) Blocking Peptide - Protocols**

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

- [Blocking Peptides](#)

## **LOX Antibody (Center) Blocking Peptide - Images**

## **LOX Antibody (Center) Blocking Peptide - Background**

LOX is an extracellular copper enzyme that initiates the crosslinking of collagens and elastin. The enzyme catalyzes oxidative deamination of the epsilon-amino group in certain lysine and hydroxylysine residues of collagens and lysine residues of elastin. In addition to crosslinking extracellular matrix proteins, the encoded protein may have a role in tumor suppression.

## **LOX Antibody (Center) Blocking Peptide - References**

Mariani,T.J., et.al., Matrix 12 (3), 242-248 (1992)