

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

LOX Antibody (Center) Blocking Peptide - Product InformationPrimary 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)