

**LOXL4 Antibody (C-term) Blocking Peptide**  
**Synthetic peptide**  
**Catalog # BP17245b****Specification**

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**LOXL4 Antibody (C-term) Blocking Peptide - Product Information**

Primary Accession [Q96JB6](#)

**LOXL4 Antibody (C-term) Blocking Peptide - Additional Information**

**Gene ID** 84171

**Other Names**

Lysyl oxidase homolog 4, 143-, Lysyl oxidase-like protein 4, Lysyl oxidase-related protein C, LOXL4, LOXC

**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.

**LOXL4 Antibody (C-term) Blocking Peptide - Protein Information**

**Name** LOXL4

**Synonyms** LOXC

**Function**

Catalyzes the oxidative deamination of lysine and hydroxylysine residues in collagen and elastin, resulting in the formation of covalent cross-linkages, and the stabilization of collagen and elastin fibers.

**Cellular Location**

Secreted, extracellular space.

**Tissue Location**

Expressed in many tissues, the highest levels among the tissues studied being in the skeletal muscle, testis and pancreas Expressed in cartilage

**LOXL4 Antibody (C-term) Blocking Peptide - Protocols**

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

- [Blocking Peptides](#)

#### **LOXL4 Antibody (C-term) Blocking Peptide - Images**

#### **LOXL4 Antibody (C-term) Blocking Peptide - Background**

This gene encodes a member of the lysyl oxidase gene family. The prototypic member of the family is essential to the biogenesis of connective tissue, encoding an extracellular copper-dependent amine oxidase that catalyses the first step in the formation of crosslinks in collagens and elastin. A highly conserved amino acid sequence at the C-terminus end appears to be sufficient for amine oxidase activity, suggesting that each family member may retain this function. The N-terminus is poorly conserved and may impart additional roles in developmental regulation, senescence, tumor suppression, cell growth control, and chemotaxis to each member of the family.

#### **LOXL4 Antibody (C-term) Blocking Peptide - References**

Venkatesan, K., et al. Nat. Methods 6(1):83-90(2009) Sebban, S., et al. Virchows Arch. 454(1):71-79(2009) Gorogh, T., et al. Int. J. Oncol. 33(5):1091-1098(2008) Kim, D.J., et al. Biochem. Biophys. Res. Commun. 373(4):521-527(2008) Weise, J.B., et al. Int. J. Oncol. 32(2):317-322(2008)