

Lysyl Oxidase / LOX Antibody
Rabbit Polyclonal Antibody
Catalog # ALS16364**Specification**

Lysyl Oxidase / LOX Antibody - Product Information

Application	WB, IHC
Primary Accession	P28300
Reactivity	Human, Rat
Host	Rabbit
Clonality	Polyclonal
Calculated MW	47kDa KDa

Lysyl Oxidase / LOX Antibody - Additional Information**Gene ID** 4015**Other Names**

Protein-lysine 6-oxidase, 1.4.3.13, Lysyl oxidase, LOX

Target/Specificity

Rat Lysyl Oxidase / LOX

Reconstitution & Storage

Long term: -20°C; Short term: +4°C. Avoid repeat freeze-thaw cycles.

Precautions

Lysyl Oxidase / LOX Antibody is for research use only and not for use in diagnostic or therapeutic procedures.

Lysyl Oxidase / LOX Antibody - 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). 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.

Volume

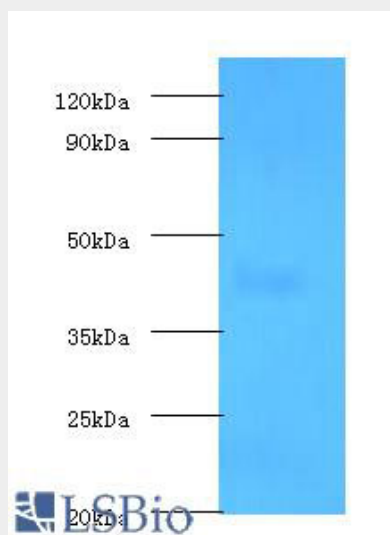
50 µl

Lysyl Oxidase / LOX Antibody - Protocols

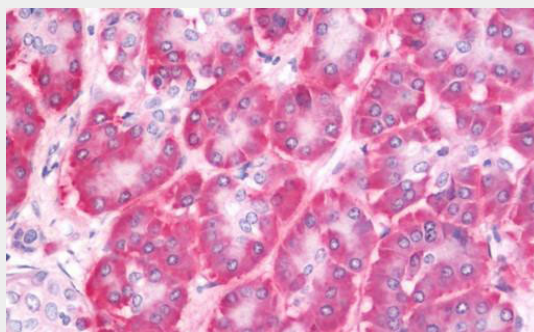
Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

Lysyl Oxidase / LOX Antibody - Images



Western blot of Protein-lysine 6-oxidase antibody at 2 ug/ml with K562 whole cell lysate.



Human Pancreas: Formalin-Fixed, Paraffin-Embedded (FFPE)

Lysyl Oxidase / LOX Antibody - Background

Responsible for the post-translational oxidative deamination of peptidyl lysine residues in precursors to fibrous collagen and elastin. In addition to cross-linking of extracellular matrix proteins, may have a direct role in tumor suppression.

Lysyl Oxidase / LOX Antibody - References

Haemaelaeninen E.-R.,et al.Genomics 11:508-516(1991).
Mariani T.J.,et al.Matrix 12:242-248(1992).
Kim Y.,et al.J. Biol. Chem. 270:7176-7182(1995).
Contente S.,et al.Mol. Cell. Biochem. 194:79-91(1999).
Ota T.,et al.Nat. Genet. 36:40-45(2004).