

Lysyl Oxidase / LOX Antibody (clone 9A11)
Mouse Monoclonal Antibody
Catalog # ALS16732**Specification**

Lysyl Oxidase / LOX Antibody (clone 9A11) - Product Information

Application	WB, IHC-P, IF, FC
Primary Accession	P28300
Other Accession	4015
Reactivity	Human
Host	Mouse
Clonality	Monoclonal
Isotype	IgG1
Calculated MW	46944
Dilution	WB~~1:1000 IHC-P~~N/A IF~~1:50~200 FC~~1:10~50

Lysyl Oxidase / LOX Antibody (clone 9A11) - Additional Information**Gene ID** 4015**Other Names**

LOX, Lysyl oxidase, Protein-lysine 6-oxidase

Target/Specificity

Human Lysyl Oxidase / LOX

Reconstitution & Storage

PBS, pH 7.3, 1% BSA, 50% glycerol, 0.02% sodium azide. Store at -20°C. Minimize freezing and thawing.

Precautions

Lysyl Oxidase / LOX Antibody (clone 9A11) is for research use only and not for use in diagnostic or therapeutic procedures.

Lysyl Oxidase / LOX Antibody (clone 9A11) - 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.

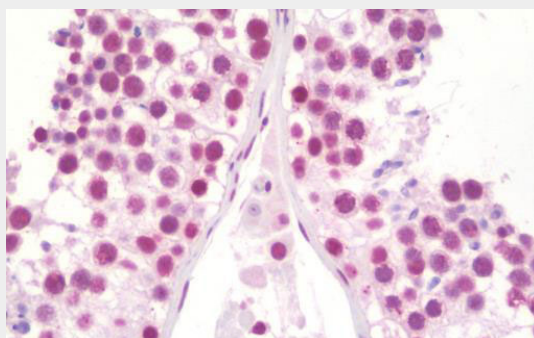
Volume

50 μ l

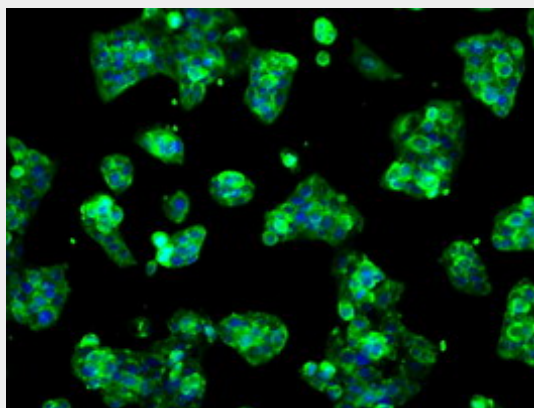
Lysyl Oxidase / LOX Antibody (clone 9A11) - Protocols

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

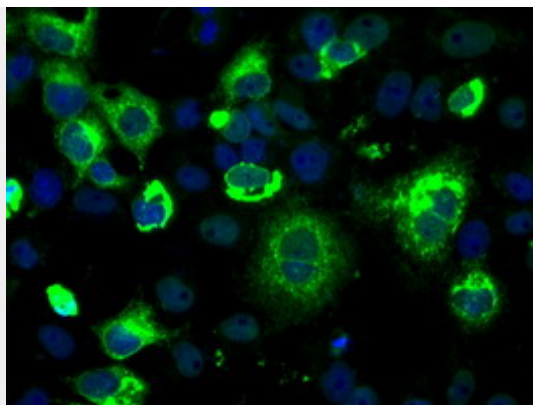
- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

Lysyl Oxidase / LOX Antibody (clone 9A11) - Images

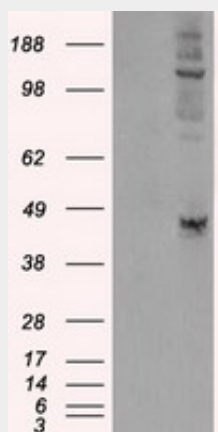
Anti-Lysyl Oxidase / LOX antibody IHC staining of human testis.



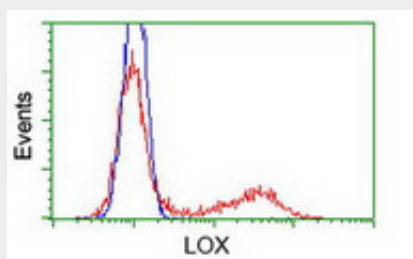
Immunofluorescent staining of HepG2 cells using anti-LOX mouse monoclonal antibody.



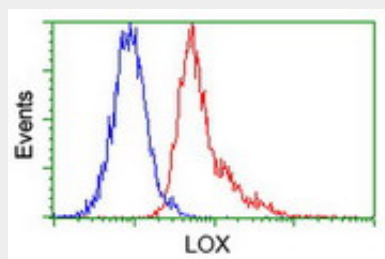
Anti-LOX mouse monoclonal antibody immunofluorescent staining of COS7 cells transiently...



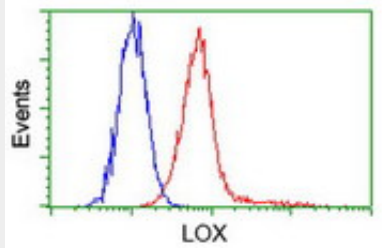
HEK293T cells were transfected with the pCMV6-ENTRY control (Left lane) or pCMV6-ENTRY LOX...



HEK293T cells transfected with either pCMV6-ENTRY LOX (Red) or empty vector control plasmid...



Flow cytometry of Jurkat cells, using anti-LOX antibody, (Red) compared to a nonspecific...



Flow cytometry of HeLa cells, using anti-LOX antibody, (Red) compared to a nonspecific negative...

Lysyl Oxidase / LOX Antibody (clone 9A11) - 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 (clone 9A11) - 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).