

LOX Antibody (Center)
Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP9127c

Specification

LOX Antibody (Center) - Product Information

Application	WB, FC,E
Primary Accession	P28300
Other Accession	P16636 , P45845 , P28301
Reactivity	Human
Predicted	Mouse, Pig, Rat
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Calculated MW	46944
Antigen Region	234-260

LOX Antibody (Center) - Additional Information

Gene ID 4015

Other Names

Protein-lysine 6-oxidase, Lysyl oxidase, LOX

Target/Specificity

This LOX antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 234-260 amino acids from the Central region of human LOX.

Dilution

WB~~1:1000
FC~~1:10~50

Format

Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.

Storage

Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

Precautions

LOX Antibody (Center) is for research use only and not for use in diagnostic or therapeutic procedures.

LOX Antibody (Center) - 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

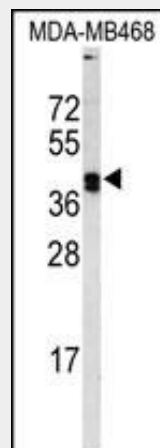
Heart, placenta, skeletal muscle, kidney, lung and pancreas.

LOX Antibody (Center) - Protocols

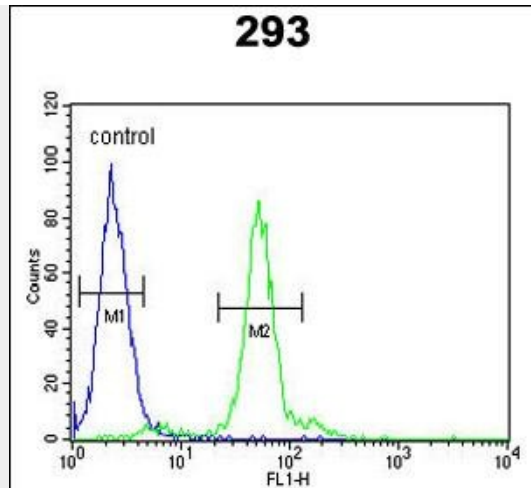
Provided below are standard protocols that you may find useful for product applications.

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

LOX Antibody (Center) - Images



Western blot analysis of LOX Antibody (Center) (Cat. #AP9127c) in MDA-MB468 cell line lysates (35ug/lane). LOX (arrow) was detected using the purified Pab.



LOX Antibody (Center) (Cat. #AP9127c) flow cytometric analysis of 293 cells (right histogram) compared to a negative control cell (left histogram). FITC-conjugated goat-anti-rabbit secondary antibodies were used for the analysis.

LOX Antibody (Center) - 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) - References

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