

## LOX Antibody (Center)

Affinity Purified Rabbit Polyclonal Antibody (Pab) Catalog # AP9127c

#### Specification

# LOX Antibody (Center) - Product Information

Application Primary Accession Other Accession Reactivity Predicted Host Clonality Isotype Calculated MW Antigen Region FC, WB,E <u>P28300</u> <u>P16636</u>, <u>P45845</u>, <u>P28301</u> Human Mouse, Pig, Rat Rabbit Polyclonal Rabbit IgG 46944 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** FC~~1:10~50 WB~~1:1000 E~~Use at an assay dependent concentration.

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:<u>26838787</u>). 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

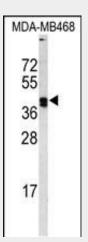
Tissue Location

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

## LOX Antibody (Center) - Protocols

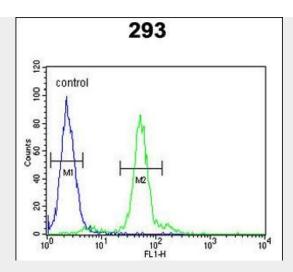
Provided below are standard protocols that you may find useful for product applications.

- <u>Western Blot</u>
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- <u>Cell Culture</u>
- 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)