10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

LOX Antibody

Rabbit mAb
Catalog # AP91294

Product Information

Application	WB, IHC, IF, FC, ICC, IP, IHF
Primary Accession	P28300
Reactivity	Rat, Human, Mouse
Clonality	Monoclonal
Other Names	lox; LYOX; Lysyl oxidase; Protein lysine 6 oxidase;
Isotype	Rabbit IgG
Host	Rabbit
Calculated MW	46944

Additional Information

Dilution	WB 1:500~1:2000 IHC 1:50~1:200 ICC/IF 1:50~1:200 IP 1:50 FC 1:60
Purification	Affinity-chromatography
Immunogen	A synthesized peptide derived from human LOX
Description	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.
Storage Condition and Buffer	Rabbit IgG in phosphate buffered saline , pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol. Store at +4°C short term. Store at -20°C long term. Avoid freeze / thaw cycle.

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.

Images

Western blot analysis of LOX expression in (1) Jurkat cell lysate; (2) Mouse brain lysate.

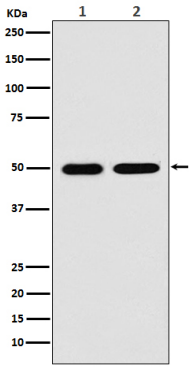

Image not found : 202311/AP91294-IHC.jpg	Immunohistochemical analysis of paraffin-embedded human breast, using LOX Antibody.
Image not found : 202311/AP91294-IF.jpg	Immunofluorescent analysis of Jurkat cells, using LOX Antibody .