

ARG41539 anti-LOX antibody

Package: 100 µl
Store at: -20°C

Summary

Product Description	Rabbit Polyclonal antibody recognizes LOX
Tested Reactivity	Hu, Ms, Rat
Tested Application	FACS, ICC/IF, IHC-P, IP, WB
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Target Name	LOX
Species	Human
Immunogen	Synthetic peptide of Human LOX.
Conjugation	Un-conjugated
Alternate Names	Lysyl oxidase; EC 1.4.3.13; Protein-lysine 6-oxidase

Application Instructions

Application table	Application	Dilution
	FACS	1:60
	ICC/IF	1:50 - 1:200
	IHC-P	1:50 - 1:200
	IP	1:50
	WB	1:500 - 1:2000
Application Note	* The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.	
Positive Control	Jurkat	
Observed Size	~ 50 kDa	

Properties

Form	Liquid
Purification	Affinity purified.
Buffer	PBS (pH 7.4), 150 mM NaCl, 0.02% Sodium azide and 50% Glycerol.
Preservative	0.02% Sodium azide
Stabilizer	50% Glycerol
Storage instruction	For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot

and store at -20°C. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use.

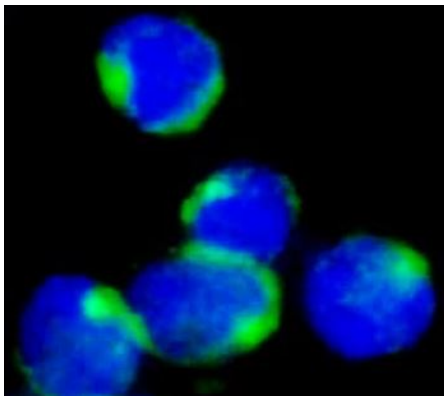
Note

For laboratory research only, not for drug, diagnostic or other use.

Bioinformation

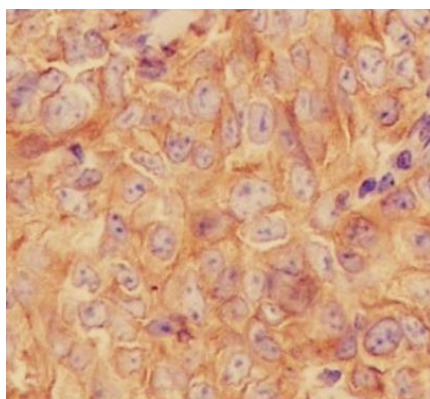
Gene Symbol	LOX
Gene Full Name	lysyl oxidase
Background	The protein encoded by this gene is an extracellular copper enzyme that initiates the crosslinking of collagens and elastin. The enzyme catalyzes oxidative deamination of the epsilon-amino group in certain lysine and hydroxylysine residues of collagens and lysine residues of elastin. In addition to crosslinking extracellular matrix proteins, the encoded protein may have a role in tumor suppression. Defects in this gene are a cause of autosomal recessive cutis laxa type I (CL type I). Two transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, May 2010]
Function	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. [UniProt]
Calculated Mw	47 kDa
PTM	The lysine tyrosylquinone cross-link (LTQ) is generated by condensation of the epsilon-amino group of a lysine with a topaquinone produced by oxidation of tyrosine. Proteolytically activated by BMP1. [UniProt]
Cellular Localization	Secreted. Secreted, extracellular space. [UniProt]

Images



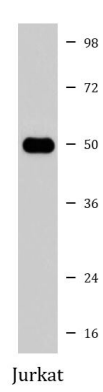
ARG41539 anti-LOX antibody ICC/IF image

Immunofluorescence: Jurkat cells stained with ARG41539 anti-LOX antibody (green).



ARG41539 anti-LOX antibody IHC-P image

Immunohistochemistry: Paraffin-embedded Human breast tissue stained with ARG41539 anti-LOX antibody.



ARG41539 anti-LOX antibody WB image

Western blot: Jurkat cell lysate stained with ARG41539 anti-LOX antibody.