Mouse LOX Monoclonal Antibody | anti-LOX antibody

LOX antibody

CATALOG #	HOST	APPLICATIONS
AAA106899	**Mouse**	**Western Blot, Immunohistochemistry, Immunofluorescence, Flow Cytometry, Functional Assay**

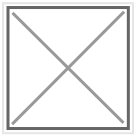
PRODUCT SYNONYMS

LOX; Monoclonal Antibody; LOX antibody; Monoclonal LOX; Anti-LOX; Lysyl oxidase; MGC105112; Protein lysine 6 oxidase; anti-LOX antibody

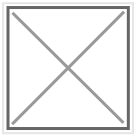
PRODUCT SPECIFICATIONS

Host	Mouse
Clonality	Monoclonal
Isotype	IgG1
Clone Number	8G5
Purity/Purification	LOX antibody was purified by affinity chromatography.
Form/Format	Supplied in PBS buffer, pH 7.3, containing 1% BSA, 50% glycerol and 0.02% sodium azide.
Concentration	500 ug-1 mg/ml (varies by lot)
Sequence Length	417
Applicable Applications for anti-LOX antibody	WB (Western Blot), IHC (Immunohistochemistry), IF (Immunofluorescence), FCM/FACS (Flow Cytometry)
Biological Significance	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. Defects in this gene are a cause of autosomal recessive cutislaxa type I (CL type I).
Cross-Reactivity	Human
Immunogen	LOX antibody was raised in mouse using a human recombinant protein fragment corresponding to amino acids 22-168 of human LOX (NP_002308) produced in HEK293T cells, as the immunogen.
Preparation and Storage	Store at 4 degree C for short term storage. Aliquot and store at -20 degree C for long term storage. Avoid repeated freeze/thaw cycles.

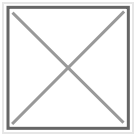
IMAGES



IF (Immunofluorescence)
Immunofluorescent staining of COS7 cells transiently transfected with recombinant LOX protein using LOX antibody



IHC (Immunohiostchemistry)
Immunohistochemical analysis of LOX protein in paraffin embedded Human Kidney tissue using LOX antibody



WB (Western Blot)
Western Blot analysis of HEK293T cell lysates (5 ug) transfected with either recombinant LOX protein (Right) or empty vector (Left) detected with LOX antibody

ADDITIONAL INFORMATION

Related Product Information for anti-LOX antibody	Mouse monoclonal LOX antibody
Product Categories/Family for anti-LOX antibody	Proteases; Inhibitors; & Enzymes

NCBI AND UNIPROT INFORMATION

NCBI GI #	20149540
NCBI GeneID	4015
NCBI Accession #	NP_002308
NCBI GenBank Nucleotide #	NM_002317.5
UniProt Accession #	P28300; Q5FWF0; B2R5Q3
Molecular Weight	46,944 Da
NCBI Official Full Name	protein-lysine 6-oxidase isoform 1 preproprotein
NCBI Official Synonym Full Names	lysyl oxidase
NCBI Official Symbol	LOX
NCBI Protein Information	protein-lysine 6-oxidase
UniProt Protein Name	Protein-lysine 6-oxidase
UniProt Gene Name	**LOX**
UniProt Entry Name	LYOX_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: https://stage.aaabiotech.com/monoclonal/lox-antibody-clone-8g5-western-blot-immunohistochemistry-immunofluorescence-flow-cytometry-elisa/106899